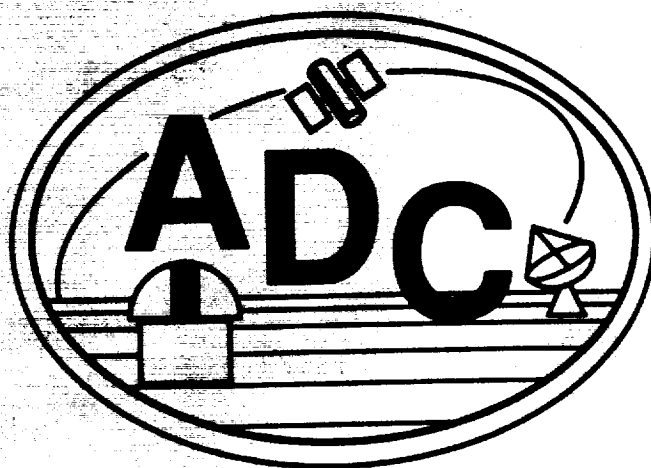


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Bonner Durchmusterung

Volume II



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Errata

The series of NASA Reference Publications numbered RP 1297 through 1300 has been printed without the final page of tabular information in each volume. The series consists of the following titles:

Document	Title	Volume	Pg. missing
RP 1297	<i>Bonner Durchmusterung</i>	Volume I	p. 457
		Volume II	p. 447
RP 1298	<i>Bonner Durchmusterung</i> <i>(Southern Durchmusterung)</i>	Volume III	p. 375
RP 1299	<i>Cordoba Durchmusterung</i>	Volume I	p. 446
		Volume II	p. 415
		Volume III	p. 424
		Volume IV	p. 423
RP 1300	<i>Cape Photographic Durchmusterung</i>	Volume I	p. 424
		Volume II	p. 440
		Volume III	p. 401

Please insert these pages in all copies of the series. We regret any inconvenience this has caused.

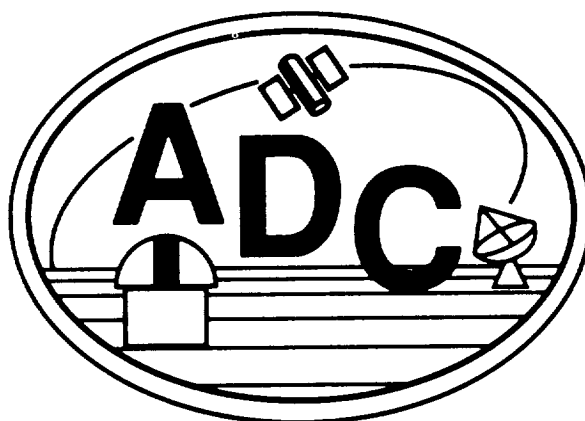
**NASA
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Bonner Durchmusterung

Volume II

*Compiled by
Astronomical Data Center,
National Space Science Data Center
Goddard Space Flight Center
Greenbelt, Maryland*



NASA

National Aeronautics and
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Office of Management
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1 Introduction

The *Bonner Durchmusterung* (BD, Argelander 1859-62, Küstner 1903, Becker 1951, Schmidt 1968) is a visual survey of stars in the declination zones $+89^\circ$ to -01° . The survey, completed by Argelander and his assistants in the years 1852-1861, was performed by allowing the telescope to drift along the mean declination of each zone and recording the positions and magnitudes of stars crossing the transit line of each field. The goal of the survey was to obtain a position and estimated visual magnitude for every star visible with the 78-mm Bonn telescope. Actual magnitude estimates were made and reported to 0.1 mag for all stars down to 9.5 mag, with fainter stars being assigned to 9.5. Thus, the BD actually contains a number of stars fainter than 10.0 mag.

No corrections or changes have been incorporated into the original data, except those listed in the tables below *e.g.*, from more modern positions and magnitudes or from comparison with other catalogs. For more detailed descriptions of how the observations were made and for statistics of star counts and distributions within each zone, the source references should be consulted. The reader can also find additional information on the compilation and scale of the BD, published in English, in papers by Pickering (1885, see pages 361 and 478; 1892; 1913).

2 Source References

- Argelander, F. W. A. 1859-1862, *Bonner Sternverzeichniss*, erste bis dritte Sektion, *Astronomischen Beobachtungen auf der Sternwarte des Königlichen Rhein., Friedrich-Wilhelms-Universität zu Bonn*, Bände 3-5.
- Becker, F. 1951, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, dritte, berichtigte Auflage (Bonn: Ferd. Dümmlers Verlag).
- Küstner, F. 1903, *Bonner Durchmusterung des Nördlichen Himmels*, zweite berichtigte Auflage, Bonn Universitäts Sternwarte (Bonn: A. Marcus und E. Weber's Verlag).
- Schmidt, H. 1968, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, vierte Auflage (Bonn: Ferd. Dümmlers Verlag).

3 History

The data in the machine-readable *Bonner Durchmusterung* were keypunched directly from the published catalogs through the collaborative efforts of personnel at l'Observatoire de Nice, the Centre de Données Astronomiques de Strasbourg (CDS), the National Space Science Data Center at the NASA/Goddard Space Flight Center, and with the help of B. N. Rappaport, then at the NASA Jet Propulsion Laboratory. The distribution of the work is given in Table 1.

Zones $+29^\circ$ to $+26^\circ$ were proofread at the CDS and the remaining zones were proofread at the Astronomical Data Center. Redundant zones were compared by computer and appropriate corrections were made. All zones were carefully examined, checked for sequencing and record counts, reformatted, and merged in the correct order at the ADC, where the final catalog was assembled. The supplemental entries were incorporated into the ADC/NSSDC and Rappaport

Zones	Location
+29° to +26°	L’Observatoire de Nice
+25° to +24°	National Space Science Data Center (also CDS)
+23° to +20°	B. N. Rappaport (+23° also done at CDS)
+19° to −01°	National Space Science Data Center (+14° also done at Nice)

Table 1: Distribution of Computerization Work for BD Data

zones from an earlier catalog prepared by Warren and Kress (1980) or used to check existing supplemental entries in the Nice zones. The published corrigenda lists were cross checked extensively against the reprinted editions of the catalog. Apparent discrepancies were checked on the BD charts and on the prints of the Vehrenberg *Atlas Stellarum*. The final catalog was run through a verification program that checked numerical sequencing of the BD numbers, monotonic increase in right ascension, and allowed data ranges. All cases where stars are out of RA order were checked in the original data to verify that their positions are as in the original catalog.

All stars are not strictly in right ascension order within each zone. This is because individual stars are occasionally out of RA order in the original catalog and because of corrections inserted from the corrigenda.

4 The Catalog

As in the original catalog, the positions are for the equinox 1855. Each page is headed by two sets of numbers: the DM number and the right ascension for the first and for the last entries on the page.

All lower case letters represent supplemental (footnoted) stars added to the catalog in the 1903 or later editions. Upper case letters and other characters are flags that indicate changes to the original data or to the status of a star in the catalog. They have the following meanings:

- * Data have been corrected as a result of corrigenda, or there are special notes associated with the star. All changes are given in Section 5.5 with appropriate notes.
- ? Existence of star was questioned by Küstner in the 1903 edition or in one of his or Sticker’s corrigenda lists. Many of these stars contain the “M” flag instead of the “?” because they were later investigated as a result of other lists (see “M” below). A list of these stars is given in Table 4.
- D The star has been deleted in a later edition of the catalog. This was done by overstriking entries with horizontal lines. These stars are listed Table ??.
- M The star was noted as “missing” in lists published by Chandler (1896) or by Pickering (1907). These entries were verified by R. A. Downes and at the ADC, and they are listed in Section 5.4, where the work by Dr. Downes is discussed in more detail.

The visual magnitude is as estimated by the observer. A magnitude code is used to denote non-numerical entries in the published catalogs. The following codes are used:

20.0 *neb* (denoting a nebula);

30.0 *var* (denoting variability);

40.0 *nova* or *nova?*;

50.0 *cum* (denoting the total, integrated magnitude estimate for a cluster of stars).

5 Deletions and Additions

As mentioned previously, the data for many BD stars have been changed since the publication of the original catalog by Argelander. These changes occurred through the corrigenda published in the 1903 edition and in separate lists by Küstner (1908, 1918, 1925) and Sticker (1935, 1936, 1938). The incorporation of changes to the data is indicated by the flagging of individual records. Quite a few supplemental stars were either added outright in the corrigenda, or were deleted or modified there. These are suffixed by lower case letters. All changes listed in the various papers were checked in the 1968 microedition. This was done in the edition available at the ADC by scanning the entire catalog with a magnifying glass to locate handwritten changes and added supplemental stars.

5.1 Supplemental Stars from the Corrigenda

Table 2 lists supplemental stars that were added via published lists of corrigenda. This list enables the user to resolve differences between the present machine-readable version and the 1903 edition of the published catalog, which is the most widely available edition. One star (+04° 3561a [Barnard's Star]) was not published in any of the corrigenda cited above and was only found during review of the 1968 microedition. Three supplemental stars were deleted: +15 612a, +13 5168a, and +02 4515a.

5.2 Deleted Stars

The reprinted editions of the BD do not explicitly list stars deleted from the catalog because they could not be found at a later date. These deletions are only indicated in the published corrigenda of Küstner and Sticker, but stars were overstruck with horizontal lines in both the 1903 and the 1951 and 1968 microeditions. There are even cases where stars were overstruck in the 1903 edition then reactivated in the published corrigenda – these are noted in the table of changes below. One serious difficulty with the 1903 edition is that no separate table of overstruck stars is given there and the deleted entries could only be found by reviewing the entire catalog manually. Table ?? lists all stars having a “D” in byte 11 of the catalog. The original data for these stars remain intact in the catalog, but it is clearly not desirable to plot them on charts if they really are “missing” in the sky. Obviously, many of these objects are

+29 3503a	+21 1842a	+04 3561a
+29 4240a	+21 2355a	+03 1727a
+29 4470a	+19 339a	+01 4513a
+28 258a	+18 368a	+00 4718a
+28 1280a	+18 3421a	-00 2281a
+28 4536a	+17 2116a	-00 3110a
+26 71a	+16 4370a	-00 4212a
+26 1414a	+15 4266a	
+26 2056a	+12 206a	
+26 2059a	+05 462a	
+23 1503a	+04 2289a	

Table 2: Supplemental BD Stars Added in Reprinted Edition

“missing” either because of errors in the recording of their positions (thus placing them in the wrong locations in the catalog) or because they are variables that were brighter at the time of original observation than they were at later times when verification was attempted.

+24 1166	+15 376	+10 600	+05 3828	-01 1044
+23 697	+15 585	+10 4830	+04 612	-01 1503
+23 1599	+15 612a	+09 143	+04 1934	-01 1665
+23 1878	+15 862	+08 614	+02 467	-01 1856
+22 1812	+15 4077	+08 1997	+02 823	-01 3546
+19 2280	+15 4615	+08 4778	+02 2555	-01 3664
+18 703	+14 719	+08 4807	+02 4515a	-01 3771
+18 1853	+14 3031	+08 5154	+01 1878	-01 4187 a
+18 3926	+13 2624	+08 5160	+01 2188	-01 4199
+17 4256	+13 5055	+07 3076	-00 317	-01 4333
+17 4475	+13 5168	+07 4790	-00 2436	
+17 4848	+12 2354	+07 5054	-00 3952	
+16 394	+12 5031	+06 511	-00 4490	
+16 574	+11 1367	+05 2652	-00 4554	

Table 3: Stars Deleted by Overstriking

5.3 Stars of Questionable Existence

Stars of questionable existence are indicated by the presence of “?” in the right-most column of the 1903 edition of the BD. They were also indicated in later lists published by Küstner and by Sticker with the remark “? hinzufügen.” These entries have been flagged with a “?”. Some of these stars were also included in the lists of Chandler (1896) and Pickering (1907) and, therefore, were investigated by R. A. Downes. In such cases, the “M” flag was retained in place

of the “?” to indicate that further investigation did reveal the stars not to be present at their nominal positions. For reference purposes, the “?” stars are listed in Table 4. As with the “D” flag for deleted supplemental stars, supplemental stars of questionable existence have had the “a” replaced with the “?” code. Also included in the table are stars having “?” in the 1903 edition that were later deleted in the published corrigenda with the remark “? in 2. Auflage tilgen.” These stars are flagged with daggers (†) and are not coded with a “?” in the catalog. Finally, there are two stars with “?” in the 1903 edition that were later deleted entirely in the published corrigenda lists. These are flagged with double daggers (‡) in Table 4 and will also be found in Table ??.

	+28 1484†	+19 1347†	+14 2543	+07 797
	+28 1561	+19 2764	+13 226	+07 2277
	+28 2594	+19 2773	+13 700	+07 4982
	+26 483	+19 4079	+13 703	+07 4986
	+25 2301	+18 2300	+12 449	+07 5103
+29 578	+24 531	+17 283	+11 673	+04 3955
+29 844	+24 572	+17 344	+09 454	+02 1042
+29 1928	+24 677	+17 355	+09 1975	+02 4515a
+29 2069	+23 882	+17 973	+08 33	+01 551
+29 2092	+23 1889	+17 2115	+08 115†	+01 579
+29 4985	+22 1579†	+15 379	+08 215	+00 53
+28 518†	+21 634	+15 587	+08 558	+00 2737
+28 647	+21 2390	+15 862‡	+08 4229	−00 3110
+28 1407	+20 235	+15 1648	+08 5001	−00 3535
+28 1466	+20 2405	+15 3854	+08 5059	−00 4554†
+28 1477	+20 5408	+14 2239	+08 5076	

Table 4: Questionable Stars Flagged with “?”

5.4 Missing Stars

Lists of “missing” stars were published by Chandler (1896) and Pickering (1907). The former list clearly pertains to the original published catalog, while the latter may also apply to the 1903 edition. None of these stars had yet been overstruck in the latest (1968) edition of the published catalog. All stars in these lists were checked on the *Palomar Observatory Sky Survey* (POSS) prints by R. A. Downes of Applied Research Corporation, who also checked the literature rather thoroughly (but not necessarily conclusively) for papers that might have solved their “missing” nature. Dr. Downes states that confirmation indicates that there is no bright non-BD star within 2 arcmin of a nominal position, although some stars (noted in the following table) have bright non-BD stars within 10 arcmin of their nominal positions, and, therefore, are possible small coordinate errors in the BD.

The original list of Dr. Downes had nine unconfirmed cases and eight other stars were found in the three volumes of the *Bonner Durchmusterung* either to have been referred to in the literature or to have alternate identifications in other catalogs. This was discovered by querying the **SIMBAD** data bank for all stars on the original list. These 17 special cases were checked on charts of the Vehrenberg *Atlas Stellarum*. Four stars were removed from the list as a result of this check and one star, in Volume 2, which also has HDE and AGK3 identifications, was found to contain an error in the BD declination. The NLTT (Luyten 1979, 1980; Luyten and Hughes 1980) and *Lowell Proper Motion Survey* (Giclas, Burnham, and Thomas 1971) catalogs were also checked for possible high proper-motion stars: none was found.

	+24 531 ⁷	+20 812	+13 2141	+08 558 ⁷
	+24 684	+20 2472	+12 449 ⁷	+07 483
	+24 2048	+19 5013	+12 595 ⁴	+07 2277† ⁷
+29 1920	+24 2056	+18 108†	+12 3353	+07 3353
+29 2732	+24 2732 ³	+18 2487	+12 4929	+06 2500
+28 647 ¹	+23 406	+17 1590	+11 1846	+05 2300
+28 1123	+23 612	+17 2385	+11 2697	+04 1771
+28 1466† ⁷	+23 1849†	+16 1516	+11 4888†	+03 1552 ²
+28 1477† ⁷	+22 2011	+16 4493	+10 2694 ³	−00 3110
+28 1484† ⁶	+22 2441 ³	+15 379†	+10 4193	
+28 1561 ⁷	+21 2129†	+15 4337	+09 34	
+26 4331	+21 2134	+14 385	+09 2711	
+25 3033	+21 2390 ¹	+14 838	+08 33† ⁵	
+25 4711	+20 235 ⁷	+13 703 ⁷	+08 215 ⁷	

Table 5: Stars Detected as “Missing” and Flagged with “M”

Notes to Table 5

- † Non-BD star within 10 arcmin of nominal BD position.
- 1 There is a “?” in the 1903 edition. No star could be found on the POSS prints or on the Vehrenberg *Atlas Stellarum* chart.
- 2 Candidate in field, but it is 3 arcmin north of the BD position. Star listed by Uppgren *et al.* (1972) at right ascension an hour away from the BD position.
- 3 Faint star(s) in field, but “M” flag retained in record.
- 4 Possible variability noted by Küstner (1918).
- 5 Existence also questioned by Küstner (1908).
- 6 There is a “?” in the 1903 edition that was later removed by Küstner (1918).
- 7 There is a “?” in the 1903 edition of the BD (see Table 4).

5.5 Other Changes

A list of corrigenda to the original catalog was published by Küstner in Volume 1 of the 1903 edition, but changes were not actually made in the catalog proper. However, there are other cases where changes to data were made in the catalog and are not listed in the corrigenda. These changes were detected during the course of working with the catalog and are indicated by a remark "Changed in 1903 edition." Numerous changes were made in the published corrigenda of Küstner (1908, 1918, 1925) and Sticker (1935, 1936, 1938), and these were incorporated into the 1951 and 1968 microeditions. The handmade changes in the 1903 edition were happened upon by chance as the work proceeded (no systematic search was made). Therefore, it is possible that there are more of these in the 1903 edition, and some might have been missed in the 1968 edition (if not included in published lists).

Other changes discovered during the course of the work were also made. In order to preserve a record of the miscellaneous changes not included in the tables of specific types of modifications (inserted, deleted, questionable, "missing") given in the previous tables, the following table lists all such changes, with brief notes to explain anomalies. Since changes to data for supplemental stars could not be indicated with codes without deleting the supplemental letter designations, these are given in the table with explanatory notes.

Star	Datum	For	Read	Remarks
+29 405	declination	6.5	8.5	
+29 1423	right ascension - sec	35.6	45.6	
+29 2585	right ascension - sec	57.1	55.6	
+29 2632	right ascension - min	3	4	
+29 2633	right ascension - min	3	4	
+29 4231	vis. magnitude	9.5	30.0	
+29 4470	declination	16.9	13.7	
+28 258	vis. magnitude	9.1	9.0	
+28 258	right ascension - sec	42.5	41.8	
+28 258	declination	51.0	50.2	
+28 1298	declination	50.2	52.3	
+28 1458	declination	2.5	6.3	
+28 1563	declination	4.9	6.9	
+27 620	right ascension - sec	1.4	2.4	
+27 620	declination	47.2	52.7	
+27 1760	vis. magnitude	3	9.3	Indicated as 9.3 on chart.
+27 1861	right ascension - sec	35.1	37.4	
+27 1861	declination	2.1	1.4	
+27 2136	declination	56.3	58.3	
+27 2510	declination	42.1	41.1	

Star	Datum	For	Read	Remarks
+27 2529	declination	33.8	23.8	Sticker (1936).
+27 3018	right ascension - sec	31.1	41.1	
+27 3027	right ascension - sec	25.4	35.4	
+27 4133	right ascension - sec	47.9	51.8	Puts out of order with 4134-6.
+26 2057	right ascension -min	4	5	Puts out of sequence with 2058-9, which remain 4. Minutes missing in published catalog.
+26 2648	right ascension -min		59	
+25 391	declination	10.2	10.8	
+25 2961	declination	18.2	16.9	
+25 2964	declination	25.2	24.2	
+25 4374	right ascension - sec	32.8	22.8	
+25 5047	declination	32.0	30.0	
+25 5048	declination	34.2	32.2	
+24 3447	declination	2.4	1.4	
+24 3449	declination	3.2	2.2	
+24 4462	vis. magnitude	9.3	30.0	
+24 4535	declination	52.5	58.7	
+23 425	vis. magnitude	3.6	8.6	Sources SAO, Yale catalogs.
+23 1814	right ascension -min	40	39	
+23 1814	right ascension - sec	4.9	52.9	
+23 4157	declination	30.6	29.0	Error discovered at ADC.
+22 1423	declination	25.1	35.1	
+22 3095	vis. magnitude	5.5	9.5	Correction to inverted 5.
+21 2359	declination	13.2	12.1	
+20 184	declination	20.7	40.7	
+20 2636	vis. magnitude	9.0	9.1	
+19 2041	right ascension - sec	59.0	54.5	
+19 2856	declination	16.6	14.6	
+19 3508	right ascension -min	57	56	
+19 3508	right ascension - sec	0.6	57.9	
+19 3508	declination	35.3	36.8	
+19 4908	declination	51.5	42.6	
+18 2679	declination	30.2	20.2	
+17 88	right ascension - sec	1.5	5.3	
+17 4368	right ascension - sec	8.9	16.9	Puts out of order with 4369.
+16 394	declination	66.1	6.1	+16 66.1 to +17 6.1; same star as +17 501a. Deleted.
+16 409	right ascension -min	6	7	Changed by Küstner (1918). Puts out of order with 410-1.
+16 588	declination	5.8	42.4	Source Astrographic Catalogue.

Star	Datum	For	Read	Remarks
+16 4193	declination	32.4	29.4	
+16 4290	vis. magnitude	9.3	30.0	
+16 4458	declination	26.4	46.4	
+16 4921	right ascension - sec	21.3	19.5	
+16 4921	declination	51.0	56.9	
+15 612a				Deleted by Küstner (1925). "D" in place of "a".
+15 613	declination	41.1	21.1	Deleted by Küstner (1925). Found and reactivated.
				HDE chart shows star at 20.2, none at 29.2.
+15 622	declination	29.2	20.2	
+15 4392	right ascension - sec	44.8	46.8	
+15 4395	right ascension			RA may be 13 57.6 (Küstner 1918).
+14 2543	declination	33.7	45.4	
+14 2850	right ascension - sec		59.8	Blank in 1903 edition.
+14 3726	right ascension - sec	6.8	26.8	
+14 3727	right ascension - sec	34.3	39.0	
+13 700	right ascension - sec	14.3	9.2	
+13 700	declination	37.1	27.1	
+13 4688	vis. magnitude	9.3	9.5	
+13 4688	declination	42.5	40.5	
+13 5168	right ascension - sec	19.8	22.8	
+13 5168a				Deleted by Küstner (1918). "D" in place of "a".
+12 2542	right ascension - min	55	54	Puts out of sequence with 2539-41.
+12 3382	right ascension - sec	56.0	58.0	
+10 402	right ascension - min	52	53	
+10 2494	declination	56.7	47.4	
+10 3787	vis. magnitude	30.0	5.2	
+10 4967				δ^m may be 34.4.
+09 852	vis. magnitude	9.0	9.5	
+09 852	right ascension - sec	46.3	46.7	
+09 852	declination	8.7	10.9	
+09 856	vis. magnitude	9.3	8.9	
+09 4813	declination	29.1	27.1	
+09 5059	declination			Catalog value doubtful (Küstner 1918).
+08 211a	right ascension - sec	1.0	21.0	Not flagged with *.
+08 492	declination	53.1	48.7	
+08 1414	right ascension - sec	0.9	1.9	
+08 1417	right ascension - sec	16.2	17.2	
+08 2631	right ascension - sec	28.0	29.5	Puts out of order with 2632.
+08 2631	declination	8.3	11.7	
+08 2632	right ascension - sec	28.0	26.3	Puts out of order with 2631.

Star	Datum	For	Read	Remarks
+08 2632	declination	9.3	9.9	
+08 3411	right ascension - sec	31.7	32.4	
+07 3199	vis. magnitude	9.5	30.0	
+07 3209	vis. magnitude	30.0	8.0	
+05 3883	declination	19.9	22.5	
+05 3897	right ascension - sec	47.0	40.0	Puts out of order with 3895-6.
+04 2061	declination	0.5	5.1	
+04 2290	vis. magnitude	9.3	9.5	
+04 2290	right ascension - sec	46.9	49.4	
+04 2290	declination	32.1	31.8	
+04 4993	right ascension - sec	26.0	24.3	Puts out of order with 4992.
+04 4993	declination	22.5	23.8	
+03 53	right ascension -min	22	21	Puts out of order with 51-2.
+03 1471	declination	29.2	31.7	SAO, Yale, various charts show star at 31.7.
+03 1726	vis. magnitude	9.2	9.4	
+03 1726	declination	44.0	43.5	
+03 3085	declination	56.9	36.9	
+02 2556	declination	33.7	32.0	
+02 4448	right ascension - sec	40.5	38.3	Puts out of order with 4447.
+02 4448	declination	3.9	5.8	
+02 4515a				Deleted by Küstner (1925). "D" in place of "a".
+01 1564	right ascension - sec	41.0	43.1	
+01 2129	declination	19.4	15.9	
+00 1010	right ascension - sec	53.9	55.9	Puts out of order with 1011.
+00 1010	declination	13.3	12.9	
+00 1236	declination	6.3	16.3	
-00 3946	declination	27.5	14.1	
-01 92	declination	58.6	56.5	
-01 164	declination	15.4	13.4	
-01 280	vis. magnitude	9.0	9.5	
-01 524	right ascension -min	36	37	
-01 524	right ascension - sec	44.7	4.3	
-01 801	declination	6.0	4.0	
-01 802	declination	7.0	5.0	
-01 804	declination	8.5	5.5	
-01 813	vis. magnitude	8.8	9.1	
-01 1137	vis. magnitude	3.3	8.3	
-01 1841	right ascension - sec	27.4	32.4	
-01 2057	right ascension - sec	25.8	30.8	

Star	Datum	For	Read	Remarks
-01 2593	declination	8.8	6.8	
-01 2689	declination	56.1	46.1	
-01 2870	declination	25.8	24.8	
-01 3218	vis. magnitude	5.4	9.4	Correction to inverted 5.
-01 3294	right ascension - min	59	58	Puts out of sequence with 3291-93.
-01 3364	declination	5.0	10.2	
-01 3457	vis. magnitude	9.5	9.4	
-01 3464	right ascension - sec	48.2	47.3	
-01 3540	declination	17.7	21.3	
-01 4068	right ascension - sec	41.0	31.0	Changed in 1903 edition.
-01 4068	declination	47.3	47.8	Changed in 1903 edition.
-01 4185	right ascension - sec	14.0	17.1	Changed in 1903 edition.
-01 4185	declination	19.8	20.5	Changed in 1903 edition.
-01 4186	right ascension - sec	14.0	13.0	Changed in 1903 edition.
-01 4186	declination	30.0	29.8	Changed in 1903 edition.
-01 4292	right ascension - sec	13.0	18.0	
-01 4320	vis. magnitude	9.0	9.5	
-01 4380	vis. magnitude	9.2	9.1	

6 Acknowledgments

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The NSSDC zones (+19° to -01°) were punched by Beth Alexander, Carol Bergstrom, and Margy Goodwin, while monitoring software for data transfer was written by Frank Barnes and migration to magnetic tape was done by Charleen Perry under the supervision of Ralph Post. ADC software for the formatting of binary data and for the exact reproduction of published pages for proofreading was written by the first author (WHW), but the actual proofing was accomplished by summer students Paula Feldman and Kimberly Kniffen, who also assisted greatly with error checking, recording, and data corrections. Zones +24° and +25° were keyed directly to disk, printed, and proofread by WHW, while B. N. Rappaport arranged for the keypunching of zones +23° to +20° by Syntronix, Incorporated, of Sherman Oaks, California, checked the data with his own computer programs and financed the work himself.

The punching of zones +29° through +26° was accomplished at l'Observatoire de Nice by M. Fulconis, under the direction of P. Couteau, and their proofreading was done at the CDS by M. J. Wagner and W. Maslo.

Finally, Dr. R. A. Downes of Applied Research Corporation brought the "missing" stars

to the attention of the compilers, supplied a complete list of the stars, and rechecked certain questionable cases.

Wayne Warren Jr. supervised the effort to compile the machine-readable version of the *Bonner Durchmusterung* and prepared the document from which this introduction has been extracted by Nancy G. Roman. The latter also prepared the catalog for printing.

7 References

- Argelander, F. W. A. 1859-1862, *Bonner Sternverzeichniss*, erste bis dritte Sektion, *Astronomischen Beobachtungen auf der Sternwarte des Königlichen Rhein.*, Friedrich-Wilhelms-Universität zu Bonn, Bände 3-5.
- Becker, F. 1951, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, dritte, berichtigte Auflage (Bonn: Ferd. Dümmlers Verlag).
- Chandler, S. C. 1896, *Astron. J.* **16**, 145.
- Couteau, P., Fulconis, M., Ochsenbein, F., Wagner, M. J., and Maslo, W. 1983, *Inf. Bull. CDS* No. 25, p. 83.
- Giclas, H. L., Burnham, R. Jr., and Thomas, N. G. 1971, *Lowell Proper Motion Survey, Northern Hemisphere, The G Numbered Stars* (Flagstaff: Lowell Observatory).
- Küstner, F. 1903, *Bonner Durchmusterung des Nördlichen Himmels*, zweite berichtigte Auflage, Bonn Universitäts Sternwarte (Bonn: A. Marcus und E. Weber's Verlag).
- Küstner, F. 1908, *Astron. Nach.* **178**, 33 (Nr. 4251).
- Küstner, F. 1918, *Astron. Nach.* **206**, 69 (Nr. 4929).
- Küstner, F. 1925, *Astron. Nach.* **223**, 309 (Nr. 5347).
- Luyten, W. J. 1979, 1980, *New Luyten Catalogue of Stars with Proper Motions Larger than Two Tenths of an Arcsecond* (Minneapolis: University of Minnesota).
- Luyten, W. J. and Hughes, H. S. 1980, *Proper Motion Survey with the Forty-Eight Inch Schmidt Telescope. LV. First Supplement to the NLTT Catalogue* (Minneapolis: University of Minnesota).
- Pickering, E. C. 1885, *Harv. Ann.* **14**.
- Pickering, E. C. 1892, *Harv. Ann.* **23**.
- Pickering, E. C. 1907, *Astron. Nach.* **175**, 139.
- Pickering, E. C. 1913, *Harv. Ann.* **72**.
- Schmidt, H. 1968, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, vierte Auflage (Bonn: Ferd. Dümmlers Verlag).
- Sticker, B. 1935, *Astron. Nach.* **256**, 341 (Nr. 6139).
- Sticker, B. 1936, *Astron. Nach.* **259**, 187 (Nr. 6203).
- Sticker, B. 1938, *Astron. Nach.* **265**, 127 (Nr. 6344).
- Uppgren, A. R., Grossenbacher, R., Penhallow, W. S., MacConnell, D. J., and Frye, R. L. 1972, *Astron. J.* **77**, 486.
- Wagner, M. J. 1984, *Inf. Bull. CDS* No. 26, p. 87.

- Wagner, M. J. 1986, *Inf. Bull. CDS* No. 30, p. 117.
Warren, W. H. Jr. 1987, *Inf. Bull. CDS* No. 32, p. 67.
Warren, W. H. Jr. and Kress, K. 1980, *Astron. Data Center Bull.* 1, 19.

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10	8.0	00320.8	+2952.9	100	9.5	02735.6	+2955.0	190	4.2	10341.0	+2920.5	280	9.0	13142.4	+2938.9
11	9.2	00328.8	+2916.3	101	8.5	02736.6	+2925.5	191	9.5	10349.6	+2937.3	281	8.8	13144.3	+2947.8
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59	9.5	01655.2	+2937.6	149	9.2	04654.1	+2944.9	239	7.5	11915.3	+2901.6	329	9.0	14805.3	+2944.2
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68	9.5	01830.2	+2919.9	158	8.3	05007.9	+2931.8	248	9.5	12113.4	+2916.8	338	9.4	14944.3	+2958.7
69	9.0	01848.7	+2902.2	159	9.5	05028.9	+2948.3	249	9.0	12116.9	+2936.8	339	9.0	14958.9	+2908.4
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72	9.5	01907.5	+2931.0	162	9.5	05220.4	+2903.2	252	9.2	12200.1	+2922.4	342	9.5	15049.0	+2911.3
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771	7.7	44849.5	+2954.0	861	9.5	50935.1	+2901.4	951	9.5	53125.5	+2901.4	1041	8.8	54622.1	+2954.9
772	9.5	44904.6	+2947.7	862	9.5	50937.3	+2901.7	952	8.8	53140.2	+2900.5	1042	9.5	54654.3	+2958.9
773	8.3	44907.0	+2936.0	863	9.5	51007.1	+2916.5	953	7.0	53205.9	+2924.5	1043	9.4	54700.0	+2953.6
774	7.0	44935.3	+2936.7	864	9.3	51026.6	+2920.6	954	7.5	53206.9	+2925.2	1044	9.5	54711.2	+2957.3
775	9.5	44943.7	+2911.5	865	9.3	51031.0	+2957.3	955	9.3	53228.5	+2938.3	1045	8.5	54715.2	+2943.0
776	9.5	44946.9	+2954.2	866	9.5	51039.8	+2918.8	956	9.5	53230.1	+2906.4	1046	9.2	54717.9	+2952.5
777	9.5	45031.5	+2955.3	867	9.5	51145.9	+2957.1	957	9.4	53234.4	+2915.3	1047	9.5	54722.1	+2950.8
778	9.0	45036.3	+2921.7	868	9.5	51147.1	+2915.4	958	8.7	53240.0	+2912.9	1048	9.4	54722.9	+2923.5
779	9.1	45055.7	+2917.0	869	6.0	51159.6	+2925.4	959	9.4	53240.1	+2923.2	1049	9.5	54809.9	+2951.6
780	9.4	45056.4	+2943.5	870	9.1	51225.7	+2946.0	960	8.7	53242.9	+2911.4	1050	9.5	54816.2	+2931.9
781	9.5	45103.4	+2958.8	871	9.0	51242.0	+2939.1	961	8.8	53243.6	+2926.5	1051	9.4	54823.1	+2919.3
782	9.0	45126.6	+2914.7	872	9.2	51303.2	+2929.8	962	9.1	53255.4	+2909.8	1052	9.5	54824.6	+2952.5
783	9.5	45138.8	+2954.5	873	9.5	51316.7	+2914.6	963	9.0	53304.8	+2938.7	1053	9.5	54830.0	+2950.8
784	8.2	45200.1	+2906.8	874	8.7	51318.4	+2907.2	964	7.7	53313.9	+2946.3	1054	9.0	54834.7	+2947.4
785	9.3	45210.3	+2942.5	875	9.1	51332.0	+2947.0	965	9.5	53319.2	+2904.5	1055	9.5	54847.1	+2918.2
786	9.0	45216.7	+2938.7	876	7.5	51345.9	+2934.3	966	9.5	53321.1	+2903.0	1056	8.8	54859.9	+2923.2
787	8.4	45233.0	+2927.0	877	9.5	51409.9	+2956.0	967	9.1	53327.3	+2950.4	1057	9.5	54904.0	+2906.9
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791	8.8	45303.9	+2946.9	881	9.4	51526.5	+2904.6	971	8.8	53421.3	+2940.5	1061	9.0	54935.4	+2905.1
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793	9.3	45336.6	+2949.6	883	9.1	51544.9	+2948.8	973	9.5	53441.9	+2950.4	1063	9.5	54943.0	+2959.4
794	9.5	45346.3	+2932.6	884	9.1	51550.0	+2907.8	974	8.2	53450.4	+2925.7	1064	9.4	54949.2	+2924.4
795	9.5	45349.2	+2938.5	885	9.4	51558.8	+2952.0	975	8.0	53500.8	+2956.3	106			

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1444	9.0	65442.4	+2902.5	1534	9.4	71829.3	+2917.1	1624	7.2	74223.4	+2931.5	1714	9.5	80359.0	+2911.4
1445	9.5	65456.5	+2947.8	1535	7.6	71903.4	+2942.4	1625	9.2	74232.6	+2916.2	1715	9.5	80401.2	+2900.8
1446	9.1	65503.1	+2925.2	1536	9.4	71921.8	+2955.5	1626	9.5	74246.7	+2942.3	1716	9.3	80419.0	+2958.8
1447	9.5	65530.6	+2913.6	1537	9.5	72032.4	+2913.9	1627	9.5	74251.5	+2904.4	1717	9.5	80428.9	+2924.8
1448	9.4	65533.2	+2941.9	1538	9.3	72055.7	+2952.7	1628	8.2	74252.6	+2932.1	1718	9.5	80430.6	+2902.5
1449	9.5	65539.6	+2942.0	1539	9.0	72115.2	+2941.0	1629	9.5	74253.2	+2915.2	1719	9.4	80528.9	+2938.2
1450	9.4	65553.1	+2941.3	1540	8.0	72115.4	+2929.1	1630	9.5	74257.9	+2957.8	1720	9.5	80553.8	+2918.6
1451	8.5	65559.9	+2956.1	1541	9.0	72151.5	+2927.5	1631	9.5	74315.3	+2916.5	1721	9.5	80625.1	+2916.3
1452	9.3	65614.6	+2956.6	1542	9.5	72152.7	+2920.5	1632	9.5	74316.5	+2903.3	1722	9.5	80659.7	+2918.5
1453	9.4	65616.2	+2948.7	1543	8.5	72158.1	+2904.6	1633	9.5	74329.3	+2908.0	1723	9.5	80659.8	+2949.0
1454	8.3	65623.6	+2943.6	1544	8.2	72210.8	+2930.8	1634	9.4	74330.0	+2915.0	1724	9.5	80700.6	+2933.4
1455	9.5	65637.6	+2949.0	1545	9.3	72214.7	+2954.2	1635	9.5	74334.5	+2929.7	1725	9.5	80718.4	+2950.5
1456	9.5	65707.2	+2943.9	1546	8.7	72236.9	+2907.9	1636	9.4	74354.7	+2959.1	1726	9.3	80733.9	+2941.7
1457	9.2	65746.6	+2908.3	1547	9.1	72341.5	+2916.8	1637	9.5	74402.5	+2947.9	1727	9.0	80754.8	+2947.2
1458	9.1	65819.1	+2924.4	1548	9.5	72410.5	+2935.9	1638	9.5	74406.8	+2911.0	1728	9.4	80805.3	+2958.6
1459	9.2	65819.9	+2912.5	1549	9.5	72419.5	+2914.0	1639	9.4	74413.6	+2905.4	1729	9.3	80856.8	+2937.0
1460	9.3	65843.7	+2951.6	1550	9.5	72424.1	+2906.6	1640	9.5	74500.1	+2952.8	1730	8.0	80918.4	+2931.7
1461	9.0	65849.3	+2921.8	1551	9.4	72452.4	+2957.7	1641	8.3	74501.8	+2934.6	1731	8.8	80933.7	+2912.3
1462	9.4	65908.5	+2912.5	1552	9.5	72512.2	+2941.4	1642	9.5	74511.7	+2958.7	1732	9.5	80955.5	+2906.6
1463	9.5	65914.5	+2905.5	1553	8.7	72530.1	+2902.4	1643	9.5	74520.0	+2908.6	1733	9.5	81107.0	+2907.0
1464	9.4	65927.2	+2918.2	1554	9.5	72605.8	+2936.1	1644	8.5	74529.2	+2922.1	1734	9.5	81109.3	+2925.8
1465	9.3	65933.9	+2951.9	1555	9.5	72618.5	+2904.2	1645	8.3	74626.6	+2931.8	1735	9.3	81127.3	+2958.5
1466	8.6	65956.8	+2910.3	1556	9.3	72629.8	+2955.9	1646	9.5	74626.8	+2956.5	1736	9.3	81143.9	+2944.2
1467	9.5	70003.1	+2954.8	1557	9.5	72632.0	+2929.0	1647	9.5	74669.9	+2908.3	1737	9.5	81208.0	+2921.8
1468	9.5	70056.5	+2947.2	1558	9.5	72640.5	+2954.8	1648	9.5	74657.6	+2926.7	1738	9.5	81229.4	+2927.0
1469	9.5	70107.5	+2934.8	1559	9.5	72724.5	+2900.4	1649	9.3	74702.5	+2922.6	1739	8.3	81239.7	+2915.3
1470	9.0	70153.7	+2955.6	1560	9.3	72729.7	+2946.3	1650	9.4	74715.5	+2919.3	1740	9.5	81257.5	+2952.5
1471	9.5	70212.0	+2932.6	1561	9.5	72808.1	+2935.2	1651	8.6	74717.8	+2918.5	1741	9.5	81323.0	+2929.7
1472	9.3	70225.2	+2926.7	1562	8.8	72816.1	+2931.0	1652	9.5	74737.8	+2912.4	1742	9.5	81328.6	+2958.2
1473	9.5	70237.7	+2910.3	1563	9.5	72845.5	+2911.4	1653	9.0	74743.8	+2942.7	1743	9.5	81345.5	+2952.7
1474	9.2	70303.8	+2933.9	1564	9.2	72925.5	+2936.9	1654	8.6	74755.9	+2955.0	1744	9.5	81453.0	+2929.3
1475	9.4	70310.6	+2955.0	1565	9.4	72928.1	+2953.5	1655	9.5	74809.9	+2937.9	1745	9.4	81506.3	+2942.8
1476	9.5	70322.1	+2921.8	1566	9.4	72951.9	+2955.3	1656	8.4	74852.1	+2953.8	1746	9.4	81513.8	+2953.6
1477	9.3	70325.5	+2943.8	1567	9.4	72953.5	+2930.0	1657	9.5	74903.9	+2949.6	1747	8.6	81525.0	+2912.2
1478	9.5	70331.6	+2919.0	1568	9.0	73011.5	+2906.1	1658	9.0	74921.5	+2935.8	1748	9.2	81608.7	+2901.5
1479	8.7	70347.9	+2932.7	1569	9.5	73021.8	+2900.6	1659	9.4	74958.5	+2922.9	1749	9.5	81640.4	+2904.7
1480	9.5	70410.1	+2941.7	1570	9.0	73026.4	+2953.1	1660	9.2	75014.7	+2909.2	1750	9.5	81650.5	+2953.1
1481	9.3	70453.1	+2931.4	1571	9.5	73028.7	+2955.5	1661	9.4	75018.1	+2925.3	1751	9.5	81653.7	+2905.3
1482	9.4	70504.5	+2906.4	1572	9.1	73038.0	+2918.9	1662	9.1	75021.0	+2935.0	1752	9.4	81707.3	+2902.2
1483	9.5	70536.8	+2945.7	1573	9.5	73058.0	+2921.6	1663	8.9	75025.8	+2921.2	1753	7.7	81714.4	+2905.9
1484	9.1	70542.9	+2952.8	1574	9.5	73102.6	+2956.1	1664	7.5	75132.8	+2939.1	1754	9.4	81821.3	+2922.8
1485	9.5	70608.0	+2922.8	1575	8.9	73118.7	+2908.9	1665	9.4	75133.1	+2942.4	1755	8.8	81858.8	+2933.1
1486	9.5	70621.6	+2926.5	1576	9.1	73133.0	+2933.8	1666	9.4	75224.0	+2921.6	1756	9.4	81927.4	+2956.9
1487	9.4	70633.9	+2907.6	1577	9.0	73135.0	+2909.5	1667	8.7	75225.7	+2959.4	1757	9.4	81946.3	+2934.5
1488	9.5	70652.3	+2905.1	1578	8.8	73138.2	+2909.6	1668	8.2	75253.5	+2901.8	1758	9.0	82020.1	+2902.6
1489	8.0	70653.4	+2930.4	1579	9.1	73153.6	+2946.4	1669	9.4	75257.6	+2941.2	1759	8.0	82021.5	+2958.0
1490	9.5	70707.6	+2936.1	1580	9.5	73206.3	+2955.3	1670	9.5	75301.9	+2906.2	1760	9.3	82029.8	+2949.7
1491	9.0	70723.9	+2929.0	1581	9.5	73221.1	+2918.6	1671	9.5	75340.3	+2956.7	1761	9.5	82050.0	+2900.6
1492	9.5	70747.1	+2954.1	1582	9.5	73222.5	+2904.6	1672	9.2	75358.1	+2934.7	1762	9.5	82131.2	+2905.9
1493	9.3	70750.6	+2956.7	1583	9.5	73253.6	+2937.6	1673	9.3	75422.4	+2956.1	1763	9.5	82133.8	+2949.7
1494	9.4	70813.4	+2956.7	1584	9.2	73303.4	+2921.4	1674	9.4	75427.3	+2948.5	1764	9.1	82142.5	+2926.6
1495	9.5	70818.0	+2915.8	1585	9.4	73312.1	+2935.5	1675	8.7	75433.4	+2909.3	1765	9.4	82219.7	+2924.2
1496	9.5	70845.5	+2932.0	1586	9.5	73333.3	+2922.0	1676	9.4	75446.9	+2933.0	1766	9.5	82241.1	+2915.0
1497	9.0	70854.3	+2935.3	1587	8.1	73336.8	+2909.8	1677	9.5	75504.6	+2906.6	1767	9.5	82254.3	+2955.7
1498	9.4	70903.7	+2910.4	1588	9.1	73355.0	+2936.1	1678	9.5	75517.4	+2940.9	1768	9.5	82254.3	+2955.7
1499	9.5	70908.2	+2941.6	1589	9.0	73403.5	+2906.5	1679	9.1	75519.7	+2953.2	1769	9.5	82307.2	+2907.3
1500	9.3	70918.2	+2909.4	1590	5.0	73413.3	+2913.5	1680	9.4	75520.7	+2922.0	1770	8.5	82327.7	+2957.9
1501	9.0	70934.3	+2916.8	1591	9.2	73447.5	+2922.9	1681	9.5	75521.2	+293.1	1771	9.5	82324.3	+2903.9
1502	9.0	70940.0	+2910.2	1592	9.5	73449.0	+2933.0	1682	8.8	75525.6	+2912.2	1772	7.5	82324.3	+2948.3
1503	8.8	70943.0	+2921.5	1593	8.8	73455.0	+2944.6	1683	9.3	75534.4	+2950.6	1773	9.5	82351.7	+2955.5
1504	9.4	70952.7	+2954.6	1594	9.1	73463.8	+2905.8	1684	9.4	75612.3	+2957.3	1774	9.5	82415.6	+2948.3
1505	8.0	70954.8	+2925.9	1595	9.5	73464.0	+2948.5	1685	9.5	75632.0	+2902.9	1775	9.5	82416.7	+2906.6
1506	9.5	71008.5	+2930.0	1596	9.2	73465.2	+2953.7	1686	9.4	75641.7	+2941.1	1776	9.3	82435.7	+2956.4
1507	9.2	71014.8	+2904.5	1597	9.0	73463.4	+2905.5	1687	9.5	75704.2	+2905.5	1777	9.5	82443.9	+2949.0
1508	9.2	71018.4	+2952.3	1598	9.5	73465.1	+2915.3	1688	8.4	75816.8	+2900.3	1778	8.5	82445.3	+2941.1
1509	9.5	71117.8	+2947.0	1599	9.2	73707.9	+2919.3	1689	9.1	75822.5	+2917.1	1779	9.5	82504.5	+2933.9
1510	9.5	71119.2	+2924.4	1600	9.2	73710.3	+2909.9	1690	9.5	75857.9	+2939.2	1780	8.9	82554.0	+2910.7
1511	7.5	71139.4	+2959.9	1601	9.3	73724.8	+2908.6	1691	8.8	75920.8	+2900.1	1781	9.5	82554.3	+2921.4
1512	9.4	71151.5	+2921.4	1602	9.5	73746.7	+2941.5	1692	9.5	75925.0	+2922.3	1782	9.4	82631.1	+2923.1
1513	9.4	71156.0	+2908.1	1603	9.4										

+29 1799 8h31m

+29 2158 11h17m

1799	9.4	83115.4	+2926.3	1889	9.2	91244.6	+2903.5	1979	8.6	95000.1	+2916.7	20697	9.5	102958.6	+2954.0
1800	9.5	83130.0	+2901.1	1890	7.8	91309.0	+2907.4	1980	8.8	95005.9	+2900.8	2070	9.5	103055.3	+2916.0
1801	9.4	83137.0	+2913.7	1891	8.3	91313.8	+2931.2	1981	9.3	95015.3	+2925.7	2071	8.7	103058.9	+2957.1
1802	9.3	83151.4	+2912.8	1892	9.4	91347.3	+2920.2	1982	9.3	95038.8	+2951.3	2072	9.1	103117.1	+2903.8
1803	8.5	83155.8	+2904.9	1893	9.1	91350.3	+2938.5	1983	8.8	95117.6	+2938.8	2073	8.1	103126.5	+2930.3
1804	8.6	83203.7	+2942.1	1894	9.4	91541.3	+2926.8	1984	9.3	95139.1	+2927.5	2074	9.2	103137.8	+2907.1
1805	9.5	83217.6	+2939.4	1895	9.5	91552.7	+2927.1	1985	9.3	95146.6	+2956.0	2075	9.4	103200.8	+2908.0
1806	9.0	83232.7	+2923.8	1896	9.0	91629.3	+2953.7	1986	7.2	95257.7	+2928.7	2076	9.4	103209.4	+2902.1
1807	9.0	83237.1	+2920.5	1897	9.3	91634.0	+2954.5	1987	8.6	95311.7	+2915.4	2077	8.6	103242.1	+2944.3
1808	9.5	83237.9	+2954.1	1898	9.5	91655.7	+2905.0	1988	8.5	95319.6	+2912.6	2078	8.2	103308.6	+2919.2
1809	9.3	83309.0	+2951.0	1899	8.7	91656.8	+2929.5	1989	9.5	95649.6	+2927.2	2079	9.2	103312.7	+2900.2
1810	9.0	83310.3	+2924.5	1900	8.0	91729.6	+2916.8	1990	8.5	95720.7	+2925.6	2080	9.3	103333.9	+2958.5
1811	8.7	83320.0	+2911.2	1901	9.5	91739.3	+2915.1	1991	9.0	95723.4	+2919.9	2081	9.1	103335.0	+2935.8
1812	9.5	83321.5	+2924.5	1902	9.5	91755.1	+2916.5	1992	9.5	95724.8	+2959.5	2082	9.5	103353.8	+2901.5
1813	9.4	83321.5	+2949.3	1903	8.2	91847.7	+2952.6	1993	9.4	95727.5	+2941.6	2083	8.2	103417.0	+2946.4
1814	9.5	83330.8	+2946.7	1904	9.5	91948.0	+2926.6	1994	9.5	95811.9	+2914.6	2084	8.0	103452.0	+2934.4
1815	9.0	83334.3	+2958.3	1905	9.0	92123.0	+2927.1	1995	9.5	95823.0	+2900.2	2085	9.5	103456.0	+2906.8
1816	9.2	83355.2	+2945.5	1906	7.9	92131.1	+2920.9	1996	9.5	95827.0	+2909.6	2086	9.5	103525.3	+2908.1
1817	8.8	83353.0	+2954.3	1907	8.8	92156.7	+2945.7	1997	9.5	95829.0	+2935.3	2087	7.9	103528.7	+2927.4
1818	9.1	83449.1	+2945.8	1908	8.8	92235.1	+2955.3	1998	8.9	95838.9	+2937.2	2088	9.5	103829.8	+2942.3
1819	8.8	83619.9	+2908.1	1909	9.5	92241.3	+2920.9	1999	9.0	95840.9	+2911.9	2089	9.5	103845.8	+2904.3
1820	8.5	83644.0	+2946.6	1910	9.5	92345.9	+2934.6	2000	8.0	95855.8	+2957.0	2090	8.8	103918.4	+2904.4
1821	9.0	83707.0	+2932.5	1911	9.5	92400.0	+2918.5	2001	9.1	95942.4	+2927.9	2091	9.2	103920.5	+2912.3
1822	9.1	83718.3	+2928.7	1912	9.5	92417.8	+2958.4	2002	9.1	95946.7	+2957.7	2092	9.5	103928.8	+2957.3
1823	7.5	83752.4	+2917.6	1913	7.0	92449.0	+2900.6	2003	9.5	100019.1	+2947.5	2093	9.1	104151.7	+2925.0
1824	4.2	83755.3	+2916.3	1914	8.8	92458.2	+2931.0	2004	9.5	100116.6	+2924.1	2094	9.5	104244.7	+2927.7
1825	8.4	83828.3	+2938.2	1915	9.5	92655.7	+2901.0	2005	9.5	100138.7	+2902.8	2095	9.5	104308.6	+2908.1
1826	8.8	83917.6	+2915.7	1916	9.5	92740.0	+2907.2	2006	8.8	100204.0	+2906.0	2096	9.1	104314.4	+2915.4
1827	9.1	83952.0	+2907.7	1917	9.3	92758.0	+2906.2	2007	9.4	100204.9	+2950.4	2097	9.5	104327.7	+2945.7
1828	7.5	84056.9	+2959.3	1918	9.3	92805.1	+2912.7	2008	9.5	100240.7	+2917.5	2098	9.5	104410.7	+2912.0
1829	9.4	84119.0	+2914.2	1919	9.2	92805.4	+2933.1	2009	9.4	100332.2	+2933.0	2099	9.4	104418.8	+2947.4
1830	9.5	84247.3	+2951.7	1920	9.5	92805.9	+2953.8	2010	9.3	100352.1	+2936.4	2100	9.5	104449.0	+2910.1
1831	7.8	84323.2	+2940.7	1921	9.5	92824.0	+2917.5	2011	9.4	100426.4	+2903.9	2101	9.5	104517.4	+2942.3
1832	8.0	84330.5	+2923.5	1922	9.5	92835.5	+2938.8	2012	8.3	100453.6	+2900.4	2102	8.6	104533.1	+2940.9
1833	9.1	84345.6	+2906.1	1923	9.5	92850.1	+2954.7	2013	9.4	100454.1	+2958.1	2103	9.5	104636.6	+2917.4
1834	9.5	84354.7	+2949.7	1924	9.0	93019.2	+2936.3	2014	9.1	100509.3	+2927.1	2104	9.2	104722.3	+2901.1
1835	9.5	84356.7	+2956.4	1925	9.5	93023.1	+2903.8	2015	8.5	100554.6	+2923.4	2105	9.3	104725.8	+2923.8
1836	9.0	84400.8	+2900.5	1926	9.0	93134.9	+2919.3	2016	9.0	100555.7	+2949.3	2106	9.5	104831.8	+2936.1
1837	8.5	84420.9	+2913.3	1927	9.3	93136.7	+2902.7	2017	8.5	100556.8	+2905.7	2107	9.5	104856.0	+2905.6
1838	9.1	84457.1	+2940.3	1928	9.5	93144.0	+2951.9	2018	9.3	100604.0	+2929.2	2108	8.8	104910.3	+2943.4
1839	9.5	84515.3	+2902.4	1929	9.5	93209.5	+2901.4	2019	9.1	100639.1	+2909.2	2109	9.5	104912.0	+2926.3
1840	9.5	84607.8	+2927.1	1930	7.4	93232.2	+2958.4	2020	9.5	100758.6	+2932.6	2110	7.8	105253.1	+2959.8
1841	9.3	84609.8	+2920.6	1931	1.5	93254.1	+2913.0	2021	6.8	100814.1	+2923.4	2111	9.5	105305.0	+2936.2
1842	9.5	84653.6	+2902.2	1932	1.5	93311.1	+2959.2	2022	9.2	100909.5	+2909.1	2112	8.8	105403.8	+2918.3
1843	9.5	84707.7	+2924.9	1933	7.8	93315.1	+2931.7	2023	9.5	100914.0	+2913.8	2113	9.1	105452.2	+2907.8
1844	8.8	84729.5	+2928.6	1934	5.5	93320.4	+2928.1	2024	9.5	100918.6	+2921.0	2114	9.5	105505.1	+2957.2
1845	8.4	84739.3	+2912.8	1935	9.4	93333.0	+2932.1	2025	9.4	101016.5	+2922.8	2115	9.2	105515.4	+2946.3
1846	9.4	84805.6	+2949.6	1936	8.4	93339.1	+2922.1	2026	9.5	101051.1	+2919.1	2116	7.0	105517.3	+2943.1
1847	8.8	84821.4	+2946.1	1937	9.5	93451.1	+2902.5	2027	9.3	101149.0	+2933.0	2117	9.0	105631.4	+2908.0
1848	9.5	85044.0	+2954.7	1938	9.2	93536.7	+2953.6	2028	8.6	101149.9	+2908.9	2118	9.0	105637.1	+2919.7
1849	8.0	85104.4	+2933.9	1939	8.5	93548.0	+2927.8	2029	8.8	101153.0	+2957.3	2119	9.4	105637.4	+2946.9
1850	9.5	85120.7	+2936.4	1940	9.3	93606.6	+2913.0	2030	7.3	101226.8	+2939.9	2120	8.0	105642.4	+2957.7
1851	8.0	85139.1	+2913.3	1941	9.5	93623.1	+2946.5	2031	9.3	101227.5	+2901.8	2121	9.5	105721.8	+2919.0
1852	9.1	85206.3	+2938.1	1942	7.4	93626.1	+2922.4	2032	9.4	101237.5	+2914.7	2122	8.8	105735.8	+2946.5
1853	9.0	85216.7	+2948.1	1943	9.2	93648.0	+2922.4	2033	7.9	101317.2	+2915.7	2123	8.8	105902.0	+2910.9
1854	9.3	85255.7	+2931.8	1944	9.2	93733.0	+2931.6	2034	9.5	101323.8	+2954.6	2124	9.5	110033.3	+2952.3
1855	9.5	85320.3	+2939.6	1945	9.2	93804.4	+2906.2	2035	9.4	101339.2	+2959.6	2125	9.0	110039.3	+2903.8
1856	9.4	85338.0	+2946.3	1946	9.5	93915.5	+2957.2	2036	9.0	101422.6	+2946.1	2126	9.0	110053.8	+2948.6
1857	8.8	85342.7	+2940.5	1947	9.4	93952.8	+2936.2	2037	9.5	101430.0	+2902.1	2127	9.1	110118.3	+2959.2
1858	8.2	85358.2	+2956.7	1948	7.6	93955.1	+2911.5	2038	9.3	101450.1	+2926.1	2128	9.1	110132.6	+2904.3
1859	8.7	85438.5	+2957.2	1949	9.5	94008.6	+2909.3	2039	9.4	101453.5	+2939.2	2129	9.4	110212.6	+2927.5
1860	8.0	85541.4	+2951.2	1950	9.1	94043.7	+2955.1	2040	9.2	101519.0	+2953.4	2130	9.1	110221.4	+2943.4
1861	9.0	85542.6	+2916.3	1951	9.2	94056.8	+2940.2	2041	9.5	101523.0	+2959.3	2131	9.5	110234.0	+2924.0
1862	9.5	85606.0	+2947.0	1952	9.5	94101.6	+2911.2	2042	9.3	101553.5	+2945.1	2132	9.4	110328.1	+2952.8
1863	9.3	85606.9	+2917.8	1953	9.5	94126.8	+2906.7	2043	9.4	101619.3	+2919.6	2133	9.4	110348.8	+2906.5
1864	9.5	85638.1	+2948.0	1954	9.0	94249.5	+2936.1	2044	9.5	101710.1	+2915.0	2134	9.5	110350.4	+2956.0
1865	8.5	85658.5	+2916.8	1955	9.5	94312.8	+2921.1	2045	9.3	101833.7	+2947.9	2135	9.5	110448.3	+2926.6
1866	9.5	85725.3	+2927.4	1956	8.6	94340.8	+2956.6	2046	8.5	101838.7	+2906.6	2136	9.5	110530.7	+2904.5
1867	9.5	85734.2	+2933.6	1957	9.4	94341.8	+2953.1	2047	9.4	101923.0	+2948.3	2137	9.5	110607.4	+2954.6
1868	9.5	85758.5	+2925.0	1958	8.9	94355.5	+2914.0	2048	9.1	101929.7	+2909.7	2138	9.5	110615.8	+2944.8
1869	9.4	85834.3	+2938.8	1959	9.0	94419.1	+2940.6	2049	9.4	101957.3	+2957.7	2139	9.5	110707.3	+2948.5
1870	9.4	85928.6	+2942.6	1960	9.5	94421.3	+2956.5	2050	8.9	102006.7	+2907.3	2140	8.8	110800.4	+2913.6
1871	9.5	90051.7	+2939.5	1961	9.0	94421.6	+2951.0	2051	9.4	102026.1	+2944.2	2141	9.5	110808.3	+2905.0
1872	9.0	90140.7	+2920.8	1962	9.3	94511.2	+2928.3	2052	9.4	102030.2	+2909.0	2142	9.5	110830.2	+2950.2

2159	9.0	111752.3	+2943.8	2249	9.4	115532.9	+2954.2	2339	9.0	124802.2	+2931.4	2428	9.5	132728.0	+2919.4
2160	7.2	111914.3	+2913.6	2250	9.4	115550.4	+2950.0	2340	8.0	124802.3	+2901.9	2429	9.5	132732.5	+2909.4
2161	9.5	111916.8	+2955.1	2251	8.0	115552.7	+2955.9	2341	9.4	124805.2	+2947.2	2430	9.3	132734.5	+2914.4
2162	9.1	111930.4	+2901.5	2252	7.8	115806.3	+2919.4	2342	9.5	124817.5	+2953.2	2431	8.3	132756.4	+2934.5
2163	9.5	111940.8	+2930.0	2253	8.3	115811.6	+2905.7	2343	9.3	124856.8	+2953.8	2432	8.5	132832.3	+2953.1
2164	9.5	112002.4	+2929.7	2254	8.9	115831.2	+2946.3	2344	9.2	124933.1	+2956.1	2433	9.3	132844.0	+2916.3
2165	9.5	112034.3	+2937.2	2255	9.2	120007.9	+2928.4	2345	9.0	125037.3	+2913.2	2434	9.4	132932.6	+2927.1
2166	9.1	112134.0	+2938.2	2256	9.5	120017.4	+2950.8	2346	9.0	125038.5	+2945.6	2435	8.9	132957.5	+2931.1
2167	9.5	112137.7	+2909.3	2257	9.5	120110.9	+2938.5	2347	9.0	125040.8	+2936.6	2436	8.6	133012.0	+2914.2
2168	9.1	112201.8	+2946.1	2258	8.8	120204.8	+2900.7	2348	7.0	125135.7	+2906.7	2437	9.5	133013.4	+2926.3
2169	9.4	112226.0	+2908.3	2259	9.0	120227.8	+2943.7	2349	9.5	125156.9	+2927.0	2438	9.5	133033.2	+2926.3
2170	9.4	112227.3	+2910.4	2260	9.4	120233.7	+2942.3	2350	8.1	125235.8	+2901.3	2439	9.5	133034.2	+2922.0
2171	9.5	112230.0	+2927.0	2261	9.3	120258.8	+2907.3	2351	8.9	125253.0	+2925.5	2440	9.2	133104.7	+2903.5
2172	9.5	112257.3	+2946.2	2262	9.4	120300.9	+2903.5	2352	9.3	125316.3	+2926.6	2441	9.5	133158.6	+2959.0
2173	9.5	112305.1	+2941.9	2263	7.2	120307.4	+2952.2	2353	9.5	125327.2	+2913.5	2442	9.5	133203.0	+2955.1
2174	9.3	112309.8	+2934.8	2264	9.0	120351.9	+2955.0	2354	9.1	125342.3	+2918.0	2443	9.1	133221.7	+2946.6
2175	9.5	112312.3	+2908.0	2265	6.7	120438.4	+2920.9	2355	9.3	125433.2	+2924.6	2444	9.0	133311.5	+2905.1
2176	6.8	112314.6	+2914.9	2266	9.5	120510.5	+2911.4	2356	9.5	125457.8	+2958.3	2445	9.3	133318.2	+2921.5
2177	8.8	112352.8	+2948.2	2267	7.9	120542.9	+2926.3	2357	8.0	125508.7	+2946.6	2446	8.2	133353.7	+2946.9
2178	9.3	112425.5	+2938.7	2268	8.5	120633.8	+2906.1	2358	9.1	125531.8	+2944.3	2447	9.2	133425.4	+2927.5
2179	7.5	112444.3	+2951.7	2269	8.4	120731.7	+2926.3	2359	9.1	125618.7	+2923.1	2448	9.1	133504.9	+2911.3
2180	9.4	112600.4	+2941.7	2270	9.3	120758.2	+2954.5	2360	8.5	125639.3	+2913.8	2449	9.4	133505.1	+2950.0
2181	9.5	112629.0	+2920.8	2271	9.0	120803.3	+2936.3	2361	9.5	125647.0	+2924.9	2450	20.0	133529.1	+2906.7
2182	9.4	112715.1	+2925.6	2272	8.9	120856.3	+2938.8	2362	9.2	125816.0	+2909.9	2451	9.5	133532.6	+2955.7
2183	9.4	112748.3	+2957.7	2273	9.5	120920.1	+2905.2	2363	9.0	125859.2	+2943.4	2452	9.5	133567.5	+2916.6
2184	9.5	112809.8	+2939.7	2274	8.5	121001.1	+2932.1	2364	8.9	125903.3	+2902.0	2453	9.5	133717.5	+2923.3
2185	9.5	112824.6	+2915.9	2275	5.8	121014.0	+2954.2	2365	6.8	125916.7	+2949.3	2454	8.1	133751.6	+2943.0
2186	9.2	112841.8	+2916.4	2276	9.4	121043.3	+2927.2	2366	9.5	125928.0	+2903.6	2455	9.3	133816.6	+2946.4
2187	9.5	112946.8	+2941.3	2277	9.4	121043.0	+2949.4	2367	9.5	125938.8	+2938.1	2456	9.4	133913.9	+2905.3
2188	9.5	113014.1	+2917.5	2278	9.5	121058.7	+2946.5	2368	9.0	125952.7	+2923.1	2457	9.5	134034.0	+2921.6
2189	9.4	113027.8	+2931.1	2279	9.5	121211.3	+2911.1	2369	8.3	130013.3	+2929.3	2458	9.5	134250.2	+2942.6
2190	9.4	113055.3	+2906.7	2280	7.0	121235.0	+2915.9	2370	9.4	130019.9	+2931.8	2459	9.0	134319.9	+2947.9
2191	9.3	113056.5	+2917.6	2281	9.5	121340.7	+2909.7	2371	9.5	130107.2	+2915.9	2460	9.0	134326.2	+2952.1
2192	9.5	113121.1	+2909.3	2282	9.5	121436.7	+2922.4	2372	9.2	130111.0	+2933.0	2461	9.4	134359.1	+2902.5
2193	9.3	113215.3	+2911.5	2283	9.5	121542.2	+2908.3	2373	8.5	130216.1	+2927.3	2462	9.4	134358.2	+2949.5
2194	9.5	113227.9	+2954.7	2284	9.1	121656.4	+2912.6	2374	8.5	130302.7	+2935.5	2463	9.5	134606.3	+2954.4
2195	9.5	113324.8	+2915.3	2285	9.4	121703.8	+2908.3	2375	8.6	130353.2	+2918.7	2464	6.0	134635.5	+2922.0
2196	9.0	113402.3	+2939.6	2286	9.4	121710.7	+2956.5	2376	8.8	130356.8	+2926.3	2465	9.1	134641.9	+2921.0
2197	9.3	113428.1	+2906.5	2287	9.1	121808.2	+2926.3	2377	9.5	130357.2	+2945.6	2466	9.5	134648.3	+2958.0
2198	9.2	113519.8	+2920.4	2288	4.7	121943.7	+2904.9	2378	8.4	130400.2	+2907.9	2467	9.0	134655.0	+2921.4
2199	9.5	113533.3	+2942.7	2289	9.5	122021.8	+2945.4	2379	8.5	130436.7	+2938.3	2468	9.5	134711.0	+2945.0
2200	9.5	113538.1	+2958.7	2290	9.1	122032.2	+2900.1	2380	9.3	130557.2	+2943.3	2469	9.5	134713.9	+2929.3
2201	8.3	113556.2	+2949.4	2291	9.4	122109.3	+2932.4	2381	9.4	130614.9	+2924.3	2470	9.2	134720.3	+2954.6
2202	9.1	113621.8	+2957.6	2292	8.5	122143.7	+2941.4	2382	9.1	130632.4	+2905.4	2471	7.8	134733.5	+2902.8
2203	9.3	113659.4	+2956.4	2293	9.0	122154.7	+2905.3	2383	9.2	130639.9	+2925.6	2472	9.1	134929.2	+2953.0
2204	9.2	113704.8	+2914.0	2294	9.0	122258.8	+2912.2	2384	9.5	130833.4	+2915.5	2473	7.0	134930.9	+2923.1
2205	9.5	113708.2	+2911.7	2295	9.5	122424.2	+2931.0	2385	7.5	130845.0	+2930.8	2474	9.5	135003.9	+2907.5
2206	7.0	113709.8	+2927.9	2296	9.0	122424.3	+2913.5	2386	8.2	131006.7	+2949.3	2475	8.7	135006.2	+2902.1
2207	9.4	113716.5	+2913.9	2297	9.4	122602.6	+2953.8	2387	9.5	131031.2	+2926.2	2476	9.5	135040.5	+2945.4
2208	9.3	113740.8	+2924.0	2298	9.5	122614.1	+2946.8	2388	9.5	131054.0	+2936.2	2477	9.2	135045.7	+2929.9
2209	9.1	113814.3	+2923.5	2299	9.5	122709.2	+2917.3	2389	8.8	131136.1	+2913.2	2478	9.5	135147.8	+2902.0
2210	8.5	113824.8	+2928.7	2300	9.0	122712.1	+2907.6	2389a	9.3	131155.8	+2923.4	2479	9.4	135220.0	+2941.4
2211	9.5	113841.3	+2952.0	2301	7.8	122739.7	+2953.1	2390	9.5	131204.0	+2940.0	2480	9.3	135227.4	+2936.9
2212	9.5	113842.1	+2904.1	2302	9.4	122749.0	+2958.4	2391	7.5	131213.0	+2920.7	2481	9.5	135226.8	+2939.7
2213	9.0	113913.4	+2940.0	2303	7.6	122817.7	+2938.0	2392	9.5	131256.5	+2903.2	2482	9.0	135340.0	+2908.7
2214	6.8	114053.3	+2913.6	2304	9.5	122820.8	+2957.6	2393	9.5	131315.2	+2927.0	2483	7.5	135446.7	+2906.0
2215	9.5	114103.0	+2904.8	2305	8.8	122842.7	+2929.1	2394	9.4	131408.4	+2924.2	2484	9.4	135653.0	+2920.7
2216	6.8	114103.8	+2936.4	2306	9.1	123019.9	+2901.0	2395	9.5	131429.7	+2935.7	2485	9.3	135737.9	+2935.1
2217	5.5	114146.4	+2920.8	2307	8.1	123030.8	+2925.6	2396	9.5	131437.7	+2954.5	2486	8.0	135758.5	+2949.5
2218	9.4	114211.1	+2950.1	2308	8.5	123123.7	+2923.3	2397	9.4	131445.3	+2944.4	2487	9.0	135823.2	+2956.9
2219	9.5	114217.3	+2935.5	2309	9.1	123130.9	+2944.2	2398	9.5	131447.8	+2954.0	2488	9.0	135823.9	+2944.1
2220	9.5	114343.3	+2925.2	2310	9.3	123132.5	+2933.3	2399	9.5	131534.2	+2948.3	2489	20.0	135854.4	+2912.8
2221	9.5	114352.3	+2944.6	2311	9.5	123143.8	+2959.8	2400	8.9	131535.4	+2953.8	2490	9.1	135954.5	+2934.8
2222	9.5	114412.3	+2950.6	2312	9.3	123200.2	+2902.4	2401	9.0	131543.2	+2916.3	2491	9.4	140010.6	+2911.7
2223	9.3	114449.7	+2906.4	2313	9.3	123304.3	+2902.0	2402	9.2	131559.0	+2937.9	2492	9.3	140011.5	+2932.7
2224	9.5	114450.8	+2954.1	2314	9.5	123352.9	+2958.9	2403	8.8	131609.7	+2916.0	2493	7.0	140026.0	+2907.3
2225	8.4	114514.1	+2913.5	2315	9.5	123357.2	+2910.1	2404	8.8	131615.4	+2949.7	2494	9.5	140027.0	+2932.4
2226	9.0	114538.3	+2919.0	2316	9.0	123507.7	+2925.2	2405	8.6	131650.2	+2958.8	2495	8.9	140034.3	+2957.8
2227	9.5	114551.5	+2957.7	2317	9.3	123522.8	+2953.2	2406	9.3	131736.0	+2930.4	2496	9.4	140109.9	+2955.3
2228	9.5	114725.9	+2932.8	2318	8.6	123530.0	+2957.6	2407	9.4	131932.5	+2923.2	2497	9.5	140118.7	+2915.5
2229	9.0	114745.4	+2919.7	2319	7.5	123532.2	+2910.4	2408	8.0	132025.0	+2938.3	2498	9.0	140158.9	+2950.8
2230	9.5	114817.4	+2917.7	2320	8.0	123740.1	+2938.3	2409	8.7	132117.7	+2911.8	2499	8.8	140202.5	+2939.5
2231	9.1	114822.8	+2914.7	2321	9.2	123815.2	+2929.0	2410							

+29 2518 14h10m

2518 9.2 141044.0 +2913.2
2519 9.4 141113.6 +2950.0
2520 9.5 141126.5 +2927.5
2521 9.2 141133.9 +2922.0
2522 9.1 141138.8 +2958.2
2523 9.1 141141.5 +2902.5
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2908	9.2	165125.1	+2940.8	2998	9.5	171716.3	+2934.3	3088	9.5	173604.0	+2905.2	3177	9.5	175802.6	+2903.4
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3530 9.5 190858.1 +2912.0
3531 8.4 190915.9 +2915.6
3532 9.5 190944.7 +2939.0
3533 9.5 190945.8 +2926.2
3534 9.0 190946.0 +2951.2
3535 8.8 190954.7 +2908.1

3536 9.5 191022.9 +2942.7
3537 9.5 191028.6 +2902.4
3538 9.3 191043.2 +2956.0
3539 20.0 191054.5 +2955.0
3540 9.5 191100.1 +2910.8
3541 9.5 191117.9 +2900.2
3542 8.7 191128.5 +2945.9
3543 9.1 191132.7 +2934.3
3544 9.4 191146.4 +2948.1
3545 9.4 191146.4 +2914.1

3546 9.5 191215.1 +2939.6
3547 9.1 191218.5 +2947.1
3548 9.5 191221.1 +2938.2
3549 8.8 191221.6 +2931.6
3550 9.4 191237.8 +2921.6
3551 9.2 191247.1 +2928.5
3552 9.4 191250.4 +2921.1
3553 9.5 191256.3 +2957.6
3554 9.5 191314.6 +2926.1

3555 9.4 191323.4 +2958.8
3556 9.5 191339.4 +2958.0
3557 9.5 191348.4 +2919.7
3558 9.4 191403.9 +2958.5
3559 9.5 191426.2 +2941.5
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3563 9.5 191459.5 +2917.2
3564 9.4 191504.7 +2955.8

3565 9.5 191509.2 +2959.2
3566 8.6 191540.4 +2931.6
3567 8.8 191550.7 +2955.8
3568 7.2 191600.5 +2938.2
3569 9.2 191605.3 +2913.3
3570 9.5 191609.1 +2929.6
3571 8.4 191619.2 +2951.6
3572 9.5 191654.8 +2930.5
3573 8.8 191701.3 +2940.9
3574 9.5 191703.4 +2929.3

3575 9.4 191704.9 +2929.7
3576 7.5 191706.5 +2959.5
3577 9.5 191708.3 +2923.2
3578 9.5 191724.1 +2930.6
3579 9.4 191728.5 +2913.4
3580 9.1 191734.1 +2936.7
3581 9.5 191739.4 +2931.1
3582 9.5 191805.0 +2957.9
3583 9.0 191816.5 +2900.1
3584 5.2 191824.5 +2920.2

3585 9.5 191825.7 +2959.5
3586 9.5 191854.1 +2917.5
3587 9.3 191908.4 +2933.3
3588 8.9 191919.0 +2943.4
3589 9.5 191950.0 +2918.6
3590 9.0 191951.9 +2929.1
3591 9.3 191956.3 +2922.9
3592 9.0 192018.4 +2914.3
3593 9.5 192029.9 +2941.5
3594 9.5 192044.5 +2912.2

+29 3594 19h20m

+29 3595 19h20m

3595	9.0	192050.5	+2938.3	3685	8.5	193341.1	+2935.5	3774	9.3	194503.0	+2902.2	3864	9.0	195628.7	+2944.0
3596	9.3	192051.3	+2912.2	3686	7.6	193349.6	+2925.1	3775	9.5	194504.8	+2913.4	3865	9.1	195637.5	+2940.2
3597	8.5	192102.8	+2911.6	3686a	9.5	193404.5	+2957.6	3776	9.3	194511.9	+2948.2	3866	9.4	195641.4	+2905.7
3598	9.5	192115.2	+2944.3	3687	9.3	193405.5	+2948.8	3777	9.4	194534.7	+2913.2	3867	8.9	195650.3	+2946.1
3599	9.5	192140.9	+2925.8	3688	8.9	193407.0	+2902.0	3778	9.5	194616.5	+2930.3	3868	9.5	195650.8	+2934.3
3600	9.3	192141.7	+2936.7	3689	9.4	193407.2	+2940.5	3779	9.2	194624.0	+2902.2	3869	9.5	195712.9	+2949.5
3601	9.5	192142.7	+2923.8	3690	9.3	193408.1	+2906.4	3780	9.4	194624.6	+2926.8	3870	9.2	195713.3	+2937.3
3602	8.9	192143.4	+2910.3	3691	9.5	193419.7	+2933.0	3781	9.4	194631.3	+2941.9	3871	8.5	195734.2	+2935.0
3603	9.5	192155.1	+2931.3	3692	9.2	193448.5	+2958.5	3782	8.9	194652.1	+2940.4	3872	6.0	195740.1	+2930.6
3604	9.5	192156.3	+2918.7	3693	9.3	193449.7	+2954.7	3783	8.3	194704.1	+2949.1	3873	7.5	195753.3	+2934.6
3605	9.4	192203.4	+2955.2	3694	9.4	193506.3	+2907.0	3784	9.5	194706.2	+2907.0	3874	9.5	195756.3	+2920.7
3606	9.3	192215.0	+2902.7	3695	9.3	193529.9	+2924.2	3785	9.5	194708.0	+2904.7	3875	8.3	195759.2	+2938.5
3607	9.5	192221.6	+2933.0	3696	9.3	193540.7	+2908.2	3786	9.4	194709.7	+2958.9	3876	9.1	195817.8	+2945.9
3608	8.5	192227.2	+2923.9	3697	9.4	193553.2	+2953.9	3787	9.5	194714.1	+2902.9	3877	9.2	195819.4	+2924.0
3609	7.0	192229.3	+2909.3	3698	9.4	193604.1	+2931.2	3788	9.2	194723.0	+2954.8	3878	9.5	195827.5	+2921.0
3610	8.6	192257.1	+2954.5	3699	9.5	193613.7	+2924.7	3789	9.4	194730.0	+2902.3	3879	9.2	195829.0	+2908.4
3611	9.3	192259.0	+2905.9	3700	8.8	193624.6	+2950.2	3790	9.2	194732.1	+2900.3	3880	8.9	195834.6	+2902.2
3612	9.0	192301.9	+2918.7	3701	9.3	193625.8	+2905.2	3791	9.1	194752.1	+2928.0	3881	9.5	195840.1	+2929.2
3613	9.4	192331.1	+2924.9	3702	8.0	193626.0	+2909.2	3792	9.5	194805.5	+2957.1	3882	9.0	195845.3	+2951.4
3614	9.2	192347.3	+2942.9	3703	9.1	193637.1	+2912.2	3793	9.0	194831.4	+2947.5	3883	9.5	195851.3	+2934.8
3615	9.5	192352.7	+2934.6	3704	9.0	193638.5	+2954.5	3794	9.3	194832.8	+2918.2	3884	9.3	195851.9	+2940.8
3616	9.5	192412.7	+2919.2	3705	9.5	193654.4	+2908.2	3795	8.2	194835.4	+2938.6	3885	9.3	195859.2	+2903.2
3617	9.0	192415.3	+2900.8	3706	9.5	193707.2	+2901.0	3796	9.4	194842.7	+2901.0	3886	9.4	195918.6	+2956.7
3618	8.8	192426.5	+2946.9	3707	9.5	193714.7	+2914.3	3797	9.2	194852.6	+2918.0	3887	8.5	195938.4	+2927.4
3619	9.5	192433.0	+2924.4	3708	9.4	193715.5	+2919.9	3798	9.5	194903.2	+2918.5	3888	9.5	195943.8	+2956.1
3620	9.0	192454.2	+2936.5	3709	9.2	193722.1	+2944.4	3799	8.4	194908.1	+2946.1	3889	8.1	195953.5	+2954.8
3621	9.4	192454.3	+2908.0	3710	7.3	193730.8	+2953.5	3800	9.5	194911.4	+2927.5	3890	8.9	195956.5	+2917.1
3622	9.4	192515.8	+2942.4	3711	9.3	193742.7	+2918.0	3801	9.1	194918.1	+2942.4	3891	9.0	195959.3	+2920.8
3623	8.5	192520.5	+2924.1	3712	9.4	193745.8	+2902.0	3802	6.9	194919.9	+2949.0	3892	8.8	200001.3	+2920.8
3624	9.5	192536.0	+2955.5	3713	9.5	193749.5	+2939.0	3803	9.2	194928.5	+2944.0	3893	8.5	200003.0	+2904.2
3625	9.4	192538.4	+2951.2	3714	9.1	193811.8	+2942.0	3804	9.5	194930.2	+2919.9	3894	9.5	200015.9	+2931.6
3626	9.5	192539.6	+2920.0	3715	9.3	193819.1	+2953.1	3805	8.1	194931.6	+2936.5	3895	9.5	200041.0	+2935.1
3627	9.5	192557.5	+2943.4	3716	9.0	193823.6	+2936.5	3806	9.3	194936.3	+2958.5	3896	9.5	200108.4	+2943.2
3628	8.0	192613.8	+2953.1	3717	9.5	193840.4	+2947.7	3807	9.3	194940.9	+2912.2	3897	8.8	200109.5	+2918.3
3629	8.8	192621.7	+2928.6	3718	9.4	193846.3	+2947.8	3808	9.5	194943.3	+2903.5	3898	9.4	200133.3	+2921.3
3630	9.4	192635.7	+2944.2	3719	9.3	193850.0	+2920.7	3809	7.9	194946.0	+2908.0	3899	9.5	200137.6	+2958.7
3631	9.5	192636.3	+2936.3	3720	9.2	193857.5	+2937.5	3810	9.4	195000.0	+2904.0	3900	9.3	200140.8	+2930.1
3632	9.2	192639.9	+2919.5	3721	8.2	193858.8	+2924.9	3811	8.9	195018.6	+2926.8	3901	9.1	200146.2	+2910.9
3633	9.0	192649.1	+2932.1	3722	8.6	193911.5	+2924.9	3812	9.3	195020.8	+2933.7	3902	9.4	200146.3	+2943.5
3634	9.5	192655.0	+2957.7	3723	9.1	193916.3	+2946.9	3813	9.5	195028.2	+2937.8	3903	9.5	200157.9	+2947.5
3635	9.5	192659.3	+2916.8	3724	8.1	193917.1	+2914.5	3814	9.5	195051.6	+2935.9	3904	9.5	200203.1	+2902.7
3636	9.1	192700.6	+2903.0	3725	9.5	193928.6	+2917.9	3815	8.5	195100.0	+2908.9	3905	9.4	200213.3	+2930.5
3637	9.5	192705.5	+2942.3	3726	9.5	193930.7	+2946.6	3816	8.8	195102.1	+2933.4	3906	9.5	200225.0	+2912.6
3638	9.4	192707.1	+2910.1	3727	9.3	193931.1	+2929.5	3817	9.0	195103.6	+2924.8	3907	9.0	200227.3	+2924.0
3639	8.6	192730.3	+2923.4	3728	9.5	193940.8	+2947.0	3818	8.8	195121.7	+2933.2	3908	8.8	200231.7	+2934.3
3640	9.5	192738.0	+2946.3	3729	9.3	193950.7	+2939.5	3819	9.2	195121.9	+2955.6	3909	8.3	200234.1	+2952.3
3641	9.5	192741.6	+2958.6	3730	8.3	193957.5	+2954.3	3820	8.2	195124.0	+2925.8	3910	8.8	200242.9	+2955.2
3642	8.8	192753.5	+2906.6	3731	9.4	194000.4	+2958.7	3821	9.4	195139.8	+2955.6	3911	8.7	200304.3	+2943.5
3643	9.4	192757.5	+2921.3	3732	9.3	194008.2	+2954.8	3822	9.4	195146.5	+2914.2	3912	9.5	200309.4	+2922.5
3644	9.5	192804.8	+2911.6	3733	8.5	194018.5	+2923.9	3823	9.3	195151.9	+2908.8	3913	9.5	200316.2	+2929.9
3645	9.5	192825.2	+2953.0	3734	9.0	194027.0	+2901.7	3824	9.2	195154.4	+2918.2	3914	9.5	200327.1	+2943.7
3646	9.3	192825.6	+2915.8	3735	9.5	194028.0	+2903.3	3825	9.3	195203.0	+2957.0	3915	9.4	200328.3	+2948.2
3647	9.3	192834.3	+2903.2	3736	8.8	194039.2	+2948.8	3826	9.4	195207.9	+2924.9	3916	9.2	200333.0	+2937.5
3648	9.5	192842.7	+2946.9	3737	9.0	194050.7	+2941.8	3827	9.5	195209.4	+2944.4	3917	9.4	200343.2	+2937.0
3649	9.5	192846.3	+2908.9	3738	8.8	194055.3	+2906.1	3828	9.5	195234.1	+2946.6	3918	9.0	200344.3	+2947.4
3650	9.3	192850.5	+2954.8	3739	9.2	194101.5	+2921.4	3829	7.9	195248.3	+2932.9	3919	8.0	200350.4	+2918.0
3651	5.8	192905.2	+2908.5	3740	8.4	194103.7	+2910.4	3830	8.8	195306.3	+2953.5	3920	8.6	200410.5	+2918.5
3652	9.3	192910.7	+2936.1	3741	9.5	194116.3	+2924.9	3831	9.3	195316.2	+2917.0	3921	9.4	200414.3	+2915.4
3653	8.3	192916.0	+2927.9	3742	9.5	194126.2	+2922.4	3832	9.2	195317.9	+2953.4	3922	9.2	200416.8	+2905.7
3654	9.4	192937.1	+2906.4	3743	9.3	194128.8	+2955.5	3833	9.5	195318.2	+2907.4	3923	9.5	200423.3	+2948.7
3655	8.3	192942.7	+2944.2	3744	8.9	194139.3	+2905.7	3834	9.5	195330.0	+2930.9	3924	8.7	200423.3	+2912.9
3656	8.9	192947.9	+2924.7	3745	9.4	194148.8	+2942.9	3835	9.5	195335.1	+2912.3	3925	9.4	200432.4	+2929.0
3657	9.5	193015.3	+2911.3	3746	9.5	194153.4	+2939.0	3836	9.2	195401.0	+2921.2	3926	7.7	200441.7	+2950.3
3658	9.0	193015.8	+2905.2	3747	9.3	194203.0	+2954.3	3837	9.2	195401.0	+2932.6	3927	9.2	200505.1	+2921.5
3659	9.5	193022.0	+2957.1	3748	8.8	194218.3	+2906.9	3838	7.0	195421.3	+2930.9	3928	8.0	200511.2	+2916.6
3660	9.2	193026.3	+2929.8	3749	9.4	194221.9	+2927.4	3839	7.4	195424.4	+2925.2	3929	9.5	200513.2	+2929.4
3661	9.2	193029.5	+2950.8	3											

*29 3954 20h09m

*29 4312 21h00m

3954	9.2	200906.0	+2940.8	4044	8.2	202205.3	+2939.1	4134	9.0	203451.4	+2947.2	4224	9.5	204735.2	+2919.4
3955	9.3	200914.7	+2944.4	4045	9.1	202217.4	+2920.8	4135	8.7	203517.3	+2940.3	4225	9.5	204742.6	+2955.5
3956	9.3	200917.1	+2952.1	4046	9.2	202217.4	+2906.2	4136	9.5	203522.5	+2941.7	4226	9.0	204804.0	+2908.8
3957	9.4	200919.0	+2944.6	4047	9.5	202221.3	+2955.2	4137	9.3	203525.6	+2931.0	4227	8.9	204804.9	+2910.4
3958	9.4	200925.3	+2944.5	4048	9.2	202238.0	+2916.6	4138	9.5	203527.7	+2912.6	4228	9.2	204816.3	+2907.2
3959	8.0	200928.0	+2934.5	4049	9.5	202243.7	+2945.2	4139	9.4	203530.8	+2904.2	4229	9.5	204823.7	+2938.8
3960	9.5	200942.0	+2900.2	4050	9.5	202243.8	+2950.3	4140	9.3	203533.2	+2959.4	4230	9.5	204835.3	+2916.1
3961	9.5	200951.3	+2909.0	4051	9.0	202245.6	+2932.6	4141	9.2	203534.2	+2929.0	4231	9.0	204902.1	+2951.8
3962	9.4	201013.3	+2904.2	4052	8.3	202258.4	+2928.9	4142	9.5	203548.1	+2954.8	4232	9.5	204907.6	+2932.4
3963	9.4	201028.3	+2912.1	4053	9.0	202307.3	+2927.1	4143	9.3	203551.3	+2923.0	4233	9.5	204907.8	+2946.7
3964	8.6	201028.3	+2919.5	4054	9.4	202312.7	+2942.2	4144	9.5	203612.0	+2907.6	4234	8.9	204916.8	+2912.6
3965	9.2	201033.9	+2949.2	4055	8.9	202315.5	+2955.6	4145	9.4	203612.3	+2956.4	4235	9.5	204925.7	+2959.7
3966	9.3	201036.3	+2928.8	4056	9.2	202323.0	+2919.0	4146	8.3	203626.8	+2944.9	4236	9.3	204935.5	+2926.9
3967	9.4	201051.5	+2908.5	4057	4.2	202328.9	+2952.7	4147	9.5	203658.7	+2936.0	4237	9.3	204937.1	+2944.7
3968	8.0	201105.6	+2940.0	4058	9.4	202329.3	+2930.4	4148	9.2	203708.1	+2956.6	4238	9.2	204939.5	+2930.2
3969	8.4	201105.7	+2945.3	4059	9.0	202338.1	+2911.1	4149	8.5	203721.3	+2941.3	4239	9.2	205004.2	+2920.0
3970	8.1	201114.0	+2902.1	4060	9.1	202340.6	+2910.9	4150	9.5	203738.8	+2905.7	4240	8.3	205017.3	+2944.2
3971	8.8	201114.4	+2944.4	4061	9.5	202407.1	+2959.9	4151	9.4	203744.5	+2952.5	4240	8.3	205023.0	+2952.6
3972	9.5	201114.8	+2956.7	4062	9.5	202415.3	+2909.6	4152	9.5	203750.9	+2933.4	4241	9.3	205026.9	+2939.3
3973	8.7	201115.3	+2940.2	4063	9.5	202415.4	+2900.4	4153	9.5	203802.4	+2904.9	4242	9.1	205029.5	+2915.1
3974	9.5	201117.8	+2959.4	4064	9.5	202444.3	+2916.9	4154	9.5	203820.0	+2900.7	4243	9.3	205032.0	+2943.2
3975	9.3	201121.8	+2951.5	4065	9.5	202447.7	+2954.1	4155	9.4	203822.3	+2921.8	4244	9.5	205040.4	+2953.6
3976	9.1	201135.0	+2917.1	4066	9.4	202452.7	+2951.5	4156	9.0	203828.2	+2911.4	4245	9.4	205040.8	+2939.1
3977	7.8	201139.3	+2952.1	4067	8.7	202457.9	+2947.7	4157	9.5	203831.4	+2941.3	4246	9.3	205043.9	+2908.5
3978	9.5	201152.0	+2932.4	4068	9.5	202511.8	+2942.2	4158	9.4	203846.5	+2904.7	4247	9.5	205051.8	+2958.9
3979	9.5	201201.7	+2918.4	4069	9.4	202513.5	+2902.1	4159	9.3	203849.6	+2930.4	4248	9.2	205052.0	+2953.0
3980	9.5	201207.4	+2941.5	4070	8.3	202519.6	+2914.4	4160	9.1	203850.9	+2950.2	4249	8.7	205124.1	+2915.9
3981	9.4	201208.2	+2911.4	4071	9.5	202530.4	+2925.2	4161	9.5	203907.3	+2942.0	4250	9.2	205131.5	+2937.7
3982	9.1	201218.1	+2959.2	4072	8.9	202546.2	+2936.6	4162	9.5	203909.2	+2951.8	4251	9.0	205131.8	+2957.9
3983	9.1	201229.8	+2935.4	4073	9.2	202547.2	+2938.0	4163	9.0	203909.3	+2944.5	4252	9.4	205145.7	+2937.2
3984	8.1	201233.0	+2955.1	4074	7.5	202547.6	+2945.9	4164	8.3	203909.7	+2923.4	4253	6.7	205211.2	+2950.2
3985	9.4	201233.4	+2940.3	4075	8.9	202600.3	+2900.8	4165	9.3	203913.0	+2935.0	4254	8.1	205216.3	+2907.2
3986	9.5	201254.1	+2957.8	4076	9.5	202624.1	+2935.0	4166	9.1	203913.2	+2926.0	4255	8.7	205224.6	+2936.8
3987	9.5	201256.4	+2939.1	4077	9.5	202648.7	+2906.5	4167	9.0	203918.0	+2944.6	4256	8.5	205225.0	+2950.2
3988	9.4	201259.4	+2913.5	4078	9.0	202651.6	+2951.6	4168	9.5	203946.0	+2954.1	4257	9.4	205226.1	+2900.7
3989	7.2	201314.8	+2902.8	4079	9.5	202655.0	+2937.3	4169	9.5	203957.9	+2916.0	4258	9.5	205245.7	+2954.8
3990	8.9	201327.6	+2928.9	4080	7.5	202723.5	+2902.0	4170	9.5	204002.8	+2900.7	4259	9.5	205247.5	+2948.4
3991	9.3	201339.0	+2928.7	4081	9.2	202730.0	+2907.0	4171	9.5	204013.3	+2907.6	4260	9.5	205248.4	+2912.3
3992	6.8	201355.2	+2916.4	4082	8.9	202730.1	+2916.9	4172	9.1	204013.8	+2901.6	4261	9.3	205248.9	+2943.6
3993	9.3	201356.4	+2959.2	4083	9.3	202749.8	+2937.8	4173	9.5	204017.0	+2939.3	4262	9.1	205254.8	+2915.6
3994	9.0	201412.1	+2959.1	4084	9.5	202753.4	+2921.3	4174	9.4	204023.2	+2953.8	4263	9.5	205307.0	+2954.8
3995	8.5	201427.8	+2924.7	4085	8.3	202758.4	+2911.1	4175	9.4	204026.5	+2902.3	4264	9.1	205318.2	+2901.5
3996	9.5	201432.0	+2945.4	4086	9.5	202817.6	+2958.0	4176	9.0	204030.6	+2909.1	4265	9.1	205322.3	+2911.1
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4003	8.9	201532.1	+2954.1	4093	9.5	202911.1	+2948.7	4183	9.4	204154.5	+2959.9	4272	8.5	205427.3	+2911.6
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5044	9.5	235339.8	+2929.3	70	9.3	02132.2	+2801.9	160	8.8	05007.6	+2820.6	250	9.0	12429.5	+2854.4
5045	9.3	235350.4	+2908.9	71	8.6	02133.6	+2846.2	161	9.4	05053.0	+2836.1	251	9.3	12448.2	+2828.5
5046	7.8	235404.9	+2955.7	72	7.6	02143.2	+2801.7	162	8.8	05057.9	+2830.0	252	9.0	12507.7	+2838.2
5047	9.4	235459.5	+2950.5	73	9.5	02155.0	+2814.6	163	9.3	05215.6	+2828.7	253	8.7	12510.7	+2830.9
5048	9.5	235514.8	+2944.2	74	9.5	02226.5	+2827.3	164	9.4	05227.7	+2855.8	254	9.1	12540.8	+2831.2
5049	9.5	235517.2	+2950.6	75	5.9	02230.4	+2857.1	165	9.3	05254.3	+2827.6	255	9.4	12544.8	+2816.5
5050	9.0	235521.3	+2915.1	76	9.5	02241.0	+2800.4	166	8.7	05309.1	+2813.5	256	9.3	12635.7	+2816.5
5051	8.8	235526.3	+2931.0	77	9.5	02257.3	+2810.8	167	9.4	05311.3	+2814.8	257	8.5	12641.5	+2830.4
5052	9.5	235534.5	+2943.5	78	9.0	02302.3	+2848.0	168	9.3	05439.3	+2829.3	258	9.0	12641.8	+2850.2
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5060	9.5	235824.4	+2900.6	86	9.4	02503.5	+2823.1	176	9.3	05705.6	+2847.9	265	9.4	12803.5	+2827.9
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2	9.4	00024.7	+2847.3	92	9.4	02729.1	+2807.3	182	8.8	05914.6	+2813.5	271	8.5	13010.0	+2850.4
3	8.5	00048.0	+2855.9	93	9.0	02741.0	+2831.9	183	9.5	05949.0	+2812.5	272	9.4	13012.6	+2801.0
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7	9.5	00251.6	+2823.4	97	9.3	02824.4	+2843.0	187	7.3	10021.9	+2806.2	276	9.5	13137.1	+2808.8
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1405	8.0	72138.1	+2812.3	1495	9.5	74402.3	+2859.8	1585	9.2	81111.4	+2853.3	1674	6.2	85310.4	+2828.2
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1443	9.5	73225.6	+2844.5	1533	9.3	75456.5	+2810.8	1623	8.9	82548.0	+2842.7	1712	9.5	86406.2	+2855.0
1444	9.5	73246.3	+2845.2	1534	8.8	75457.3	+2811.4	1624	8.5	82549.1	+2856.0	1713	9.5	86453.7	+2809.1
1445	9.4	73321.5	+2833.2	1535	9.2	75501.5	+2825.4	1625	9.3	82625.4	+2841.2	1714	9.5	86453.3	+2800.6
1446	9.5	73328.5	+2837.7	1536	9.5	75502.8	+2846.0	1626	9.4	82759.7	+2829.9	1715	9.5	86511.0	+2824.4
1447	9.4	73332.7	+2832.2	1537	9.0	75509.4	+2843.3	1627	8.3	82823.9	+2853.7	1716	9.4	86533.9	+2828.8
1448	9.5	73346.7	+2852.2	1538	9.2	75510.3	+2842.9	1628	6.5	82834.8	+2847.7	1717	9.0	86543.0	+2847.8
1449	9.4	73351.5	+2834.4	1539	9.5	75524.4	+2816.4	1629	9.0	82852.1	+2853.3	1718	8.4	86600.8	+2822.8
1450	9.4	73356.5	+2821.8	1540	9.5	75540.1	+2855.3	1630	9.3	82925.4	+2818.5	1719	9.5	86607.7	+2847.4
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1457	9.5	73458.3	+2832.4	1547	9.5	75643.4	+2827.0	1637	9.5	83128.4	+2851.2	1726	9.5	86830.4	+2848.5
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1461	9.5	73559.7	+2853.2	1551	9.0	75725.9	+2837.8	1641	8.3	83540.4	+2859.1	1730	8.9	86908.2	+2805.6
1462	9.4	73605.3	+2810.0	1552	9.4	75745.4	+2845.5	1642	9.1	83547.8	+2848.7	1731	9.4	86923.2	+2807.4
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1471	9.5	73945.2	+2800.6	1561	9.5	80005.4	+2856.6	1651	9.0	84031.8	+2851.9	1740	9.0	87131.4	+2851.3
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3563	9.5	195347.7	+2840.7	3653	7.7	200529.1	+2844.4	3743	9.5	201920.1	+2803.3	3833	8.7	203335.1	+2803.9
3564	9.3	195350.4	+2806.6	3654	9.5	200540.3	+2819.3	3744	9.3	201936.1	+2802.2	3834	9.3	203353.6	+2805.2
3565	9.4	195350.8	+2855.8	3655	9.2	200558.1	+2825.7	3745	9.3	201946.8	+2816.7	3835	9.5	203358.5	+2817.5
3566	9.5	195355.2	+2847.1	3656	8.5	200558.7	+2841.2	3746	9.3	202007.2	+2840.9	3836	9.3	203359.4	+2853.1
3567	9.3	195358.0	+2851.1	3657	9.0	200604.5	+2828.5	3747	8.7	202009.0	+2859.6	3837	9.5	203400.0	+2834.9
3568	9.3	195406.6	+2820.5	3658	8.5	200605.1	+2845.7	3748	9.3	202009.1	+2808.5	3838	9.5	203402.8	+2838.5
3569	9.5	195407.5	+2837.3	3659	9.3	200613.0	+2808.1	3749	9.4	202013.8	+2816.0	3839	9.1	203412.5	+2850.1
3570	9.3	195410.3	+2817.0	3660	9.4	200614.6	+2818.0	3750	9.4	202021.4	+2803.8	3840	9.5	203420.4	+2808.9
3571	9.5	195411.8	+2805.0	3661	8.6	200614.6	+2803.4	3751	9.4	202029.0	+2851.3	3841	8.8	203432.5	+2831.1
3572	9.4	195417.0	+2822.2	3662	9.0	200622.6	+2846.6	3752	9.4	202037.7	+2829.7	3842	9.5	203457.4	+2808.4
3573	9.5	195422.7	+2851.1	3663	8.8	200624.7	+2841.5	3753	9.5	202038.3	+2836.2	3843	9.5	203457.4	+2819.0
3574	9.4	195427.6	+2821.9	3664	8.5	200625.3	+2856.8	3754	9.0	202044.5	+2852.5	3844	9.4	203458.2	+2819.0
3575	9.5	195450.5	+2853.1	3665	9.4	200629.1	+2846.2	3755	9.5	202054.1	+2830.2	3845	9.5	203459.1	+2826.6
3576	8.7	195501.2	+2822.0	3666	9.5	200642.5	+2845.9	3756	9.5	202057.9	+2833.4	3846	9.3	203502.7	+2840.7
3577	8.1	195512.6	+2844.5	3667	9.3	200648.8	+2842.7	3757	9.5	202109.6	+2850.2	3847	9.1	203502.9	+2807.9
3578	9.0	195524.5	+2830.0	3668	9.3	200700.4	+2846.6	3758	9.5	202134.2	+2801.9	3848	9.5	203509.0	+2807.9
3579	9.5	195529.0	+2820.2	3669	9.5	200706.5	+2809.4	3759	9.4	202148.7	+2840.7	3849	8.0	203516.5	+2850.8
3580	9.0	195540.3	+2848.4	3670	9.2	200708.3	+2857.0	3760	9.5	202214.9	+2832.6	3850	8.8	203522.0	+2848.9
3581	9.2	195545.9	+2844.3	3671	9.5	200710.1	+2803.7	3761	8.5	202227.5	+2828.6	3851	9.5	203536.2	+2821.7
3582	9.3	195547.1	+2854.0	3672	9.5	200728.0	+2829.6	3762	8.2	202234.0	+2801.9	3852	9.5	203541.4	+2855.5
3583	9.4	195549.5	+2834.3	3673	9.2	200738.5	+2852.6	3763	7.8	202236.8	+2818.2	3853	9.4	203544.6	+2845.6
3584	9.3	195557.4	+2809.9	3674	9.5	200802.7	+2833.1	3764	8.8	202243.1	+2805.4	3854	9.5	203546.8	+2842.7
3585	8.5	195601.5	+2808.6	3675	6.0	200815.4	+2815.3	3765	9.5	202251.1	+2824.4	3855	9.5	203559.2	+2821.2
3586	9.3	195601.8	+2816.0	3676	9.2	200850.1	+2837.4	3766	9.5	202301.3	+2859.8	3856	9.5	203602.7	+2841.5
3587	9.0	195609.5	+2850.1	3677	9.3	200854.4	+2813.6	3767	9.2	202308.5	+2848.9	3857	9.3	203614.1	+2807.4
3588	9.3	195616.1	+2838.2	3678	9.5	200915.8	+2817.6	3768	9.5	202311.8	+2836.5	3858	9.4	203621.1	+2856.6
3589	9.0	195621.1	+2824.4	3679	8.8	200929.9	+2848.6	3769	9.1	202332.4	+2812.3	3859	9.4	203629.3	+2800.7
3590	9.2	195622.3	+2817.0	3680	8.9	200939.7	+2844.4	3770	9.3	202337.4	+2820.2	3860	9.5	203632.3	+2818.7
3591	9.5	195624.1	+2842.4	3681	9.0	200943.0	+2813.3	3771	9.5	202342.1	+2807.9	3861	9.5	203702.1	+2801.8
3592	9.3	195624.5	+2828.6	3682	8.8	201010.8	+2836.7	3772	9.5	202358.7	+2821.5	3862	9.5	203707.8	+2854.8
3593	9.1	195628.6	+2807.1	3683	9.5	201027.9	+2835.0	3773	9.1	202402.5	+2850.4	3863	9.5	203710.3	+2813.8
3594	9.2	195638.4	+2834.3	3684	8.1	201029.6	+2841.3	3774	9.5	202411.4	+2855.4	3864	9.5	203720.7	+2848.0
3595	7.1	195650.6	+2807.1	3685	7.7	201040.6	+2804.7	3775	9.1	202428.7	+2822.7	3865	9.2	203741.4	+2856.5
3596	9.5	195654.3	+2819.2	3686	9.4	201049.6	+2845.4	3776	9.2	202434.3	+2801.2	3866	9.4	203754.4	+2836.6
3597	9.3	195710.5	+2851.6	3687	9.4	201106.3	+2801.0	3777	9.5	202448.9	+2835.0	3867	9.3	203757.6	+2847.7
3598	9.4	195715.8	+2818.0	3688	9.5	201110.1	+2856.0	3778	9.1	202507.1	+2827.4	3868	9.5	203759.8	+2856.9
3599	9.5	195718.1	+2859.3	3689	8.0	201116.5	+2828.6	3779	9.0	202513.4	+2825.9	3869	8.1	203759.8	+2836.9
3600	9.3	195727.5	+2851.1	3690	9.4	201118.0	+2802.1	3780	8.9	202522.1	+2807.5	3870	9.3	203801.0	+2834.9
3601	8.9	195740.5	+2851.0	3691	9.4	201123.0	+2856.9	3781	9.4	202522.1	+2821.5	3871	9.5	203826.7	+2802.9
3602	8.8	195745.9	+2834.3	3692	9.0	201128.1	+2826.4	3782	9.3	202522.7	+2852.9	3872	9.3	203827.1	+2834.4
3603	9.0	195746.5	+2829.1	3693	9.4	201128.8	+2838.5	3783	9.4	202528.1	+2821.5	3873	9.1	203836.6	+2827.9
3604	9.3	195758.5	+2815.6	3694	9.0	201136.4	+2804.2	3784	9.5	202538.3	+2839.0	3874	9.1	203839.1	+2826.1
3605	9.1	195759.2	+2810.1	3695	7.0	201137.5	+2841.7	3785	9.5	202543.0	+2813.0	3875	9.0	203840.2	+2830.8
3606	9.5	195801.4	+2821.1	3696	9.4	201158.8	+2817.3	3786	8.0	202640.4	+2833.8	3876	9.4	203850.2	+2807.3
3607	9.4	195842.4	+2853.9	3697	9.5	201207.1	+2844.9	3787	8.2	202649.6	+2833.2	3877	9.4	203850.2	+2809.9
3608	9.5	195845.2	+2823.8	3698	8.7	201217.5	+2845.9	3788	9.5	202700.6	+2821.9	3878	9.0	203852.3	+2837.6
3609	9.5	195854.0	+2809.1	3699	9.3	201239.1	+2805.4	3789	9.4	202701.8	+2822.9	3879	9.5	203853.1	+2839.8
3610	9.5	195909.3	+2816.5	3700	9.5	201258.1	+2848.5	3790	8.7	202702.3	+2822.4	3880	9.5	203856.2	+2845.5
3611	9.4	195931.4	+2813.5	3701	9.5	201258.4	+2854.8	3791	9.4	202718.4	+2855.5	3881	9.3	203854.0	+2828.0
3612	9.3	195932.1	+2855.0	3702	9.3	201258.8	+2847.5	3792	9.2	202808.0	+2811.3	3882	9.1	204011.7	+2820.5
3613	9.3	195935.3	+2835.8	3703	9.5	201310.3	+2847.9	3793	9.5	202813.7	+2802.2	3883	9.3	204026.6	+2845.7
3614	9.3	195939.7	+2843.5	3704	9.2	201335.0	+2826.1	3794	9.0	202823.4	+2814.5	3884	9.5	204042.4	+2859.3
3615	9.2	195942.3	+2828.2	3705	9.1	201336.6	+2806.3	3795	9.3	202825.5	+2808.6	3885	9.0	204044.3	+2817.0
3616	9.2	195943.5	+2851.5	3706	9.3	201340.9	+2846.2	3796	9.1	202832.6	+2849.2	3886	9.5	204057.7	+2852.9
3617	8.9	195954.5	+2831.9	3707	9.4	201345.0	+2851.1	3797	9.4	202835.8	+2844.3	3887	9.3	204133.6	+2801.3
3618	9.3	200010.4	+2814.8	3708	9.4	201358.0	+2829.6	3798	9.3	202839.8	+2859.9	3888	7.7	204203.7	+2800.0
3619	8.5	200013.9	+2830.2	3709	9.3	201424.3	+2819.8	3799	8.7	202849.6	+2803.7	3889	9.5	204226.8	+2859.1
3620	9.3	200019.2	+2842.1	3710	9.0	201434.5	+2829.6	3800	9.2	202849.8	+2851.2	3890	8.3	204232.8	+2816.3
3621	9.0	200024.4	+2854.7	3711	9.4	201445.0	+2848.6	3801	9.5	202900.6	+2807.1	3891	9.2	204238.6	+2804.0
3622	9.5	200028.5	+2809.1	3712	9.0	201446.6	+2804.4	3802	9.5	202900.9	+2814.8	3892	9.1	204244.3	+2837.7
3623	9.5	200105.1	+2826.7	3713	9.3	201503.5	+2811.1	3803	9.5	202923.2	+2823.2	3893	9.4	204257.4	+2815.3
3624	9.3	200111.3	+2819.0	3714	9.5	201509.6	+2807.4	3804	9.2	202939.1	+2856.3	3894	9.5	204259.3	+2828.9
3625	9.4	200115.5	+2828.4	3715	8.7	201509.3	+2837.3	3805	8.7	202954.3	+2816.3	3895	9.5	204218.5	+2827.9
3626	8.8	200120.4	+2854.4	3716	9.0	201602.0	+2830.7	3806	9.5	203000.6	+2811.4	3896	9.1	204319.5	+2849.2
3627	9.4	200142.9	+2811.3	3717	8.2	201609.0	+2822.8	3807	9.5	203009.5	+2857.8	3897	9.5	204334.6	+2859.4
3628	9.4	200143.0	+2822.3	3718	9.4	201612.0	+2822.6	3808	9.1	203018.5	+2852.1	3898	8.0	204352.1	+2826.6
3629	9.4	200143.3	+2856.8	3719	8.2	201622.8	+2837.3	3809	9.4	203022.5	+2831.1	3899	9.5	204355.7	+2800.8
3630	9.5	200152.9	+2835.3	3720	9.3	201625.3	+2823.7	3810	8.7	203029.7	+2842.7	3900	8.5	204405.5	+2850.8
3631	9.5	200154.1	+2845.6	3721	9.5	201629.6	+2805.2	3811	9.3	203053.2	+2857.7	3901	9.2	204422.7	+2842.2
3632	9.5	200205.5	+2809.4	3722	9.1	201637.0	+2808.8	3812	9.3	203056.9	+2800.1	3902	8.5	204424.0	+2810.6
3633	9.3	200210.4	+2813.3	3723	9.5	201637.7	+2800.4	3813							

*28 3921 20h48m

*28 4279 21h58m

3921	8.0	204810.1	+2826.1	4010	9.1	210355.4	+2823.7	4100	9.5	212144.4	+2811.2	4190	9.5	214034.2	+2851.4
3922	9.4	204811.6	+2851.2	4011	9.4	210405.1	+2842.8	4101	8.7	212204.1	+2845.7	4191	8.6	214055.2	+2803.0
3923	9.2	204822.3	+2822.8	4012	9.5	210422.9	+2800.0	4102	9.5	212206.0	+2806.1	4192	9.5	214057.2	+2814.5
3924	9.4	204840.8	+2815.8	4013	9.5	210430.3	+2806.7	4103	8.9	212211.1	+2847.5	4193	8.4	214113.6	+2820.8
3925	8.9	204900.4	+2814.8	4014	9.3	210440.6	+2820.8	4104	9.4	212233.5	+2810.5	4194	8.6	214116.1	+2847.5
3926	9.5	204903.1	+2824.9	4015	9.3	210441.5	+2840.1	4105	8.5	212301.5	+2814.4	4195	8.1	214132.4	+2808.2
3927	9.3	204908.0	+2850.4	4016	8.8	210451.7	+2850.7	4106	8.9	212305.2	+2802.0	4196	8.9	214135.4	+2839.4
3928	9.5	204913.0	+2839.4	4017	9.3	210512.0	+2857.5	4107	8.8	212307.9	+2843.8	4197	8.7	214138.4	+2810.4
3929	9.5	204914.9	+2836.0	4018	9.5	210528.3	+2837.3	4108	8.9	212310.9	+2845.1	4198	9.5	214145.1	+2840.4
3930	9.5	204923.8	+2858.0	4019	8.9	210528.7	+2826.3	4109	9.3	212318.6	+2850.5	4199	9.5	214148.1	+2840.3
3931	9.2	204926.9	+2802.5	4020	9.4	210548.3	+2807.5	4110	8.0	212403.6	+2821.2	4200	8.5	214205.2	+2802.7
3932	9.4	204928.2	+2822.1	4021	8.9	210614.7	+2816.0	4111	9.0	212441.4	+2812.8	4201	9.5	214227.2	+2849.7
3933	9.4	204934.0	+2825.9	4022	9.5	210614.8	+2829.2	4112	9.4	212451.0	+2818.3	4202	9.1	214302.7	+2824.7
3934	9.5	204935.9	+2821.5	4023	8.0	210614.8	+2821.6	4113	9.1	212451.1	+2842.9	4203	8.6	214309.6	+2819.5
3935	8.0	204944.5	+2809.3	4024	8.8	210656.2	+2802.7	4114	9.5	212500.0	+2820.8	4204	9.0	214321.2	+2800.3
3936	8.4	204959.7	+2801.4	4025	9.5	210700.4	+2857.5	4115	9.5	212514.2	+2825.9	4205	9.4	214327.5	+2843.8
3937	9.5	205004.6	+2851.5	4026	9.2	210707.2	+2800.6	4116	9.2	212514.4	+2859.5	4206	9.5	214357.0	+2817.8
3938	9.5	205013.0	+2837.8	4027	8.5	210733.0	+2842.6	4117	9.0	212533.3	+2854.2	4207	9.5	214401.3	+2853.9
3939	9.4	205022.1	+2807.1	4028	9.5	210751.3	+2801.4	4118	9.1	212556.3	+2807.8	4208	9.5	214401.3	+2811.7
3940	9.3	205037.3	+2801.0	4029	9.2	210759.4	+2809.7	4119	9.4	212557.2	+2835.5	4209	8.0	214408.3	+2805.5
3941	9.3	205039.2	+2853.5	4030	8.8	210808.4	+2859.1	4120	9.5	212559.0	+2850.5	4210	9.0	214432.8	+2829.4
3942	9.5	205053.3	+2836.5	4031	8.8	210810.8	+2829.1	4121	9.5	212604.7	+2825.3	4211	9.5	214443.4	+2811.2
3943	9.5	205103.3	+2847.9	4032	8.5	210900.3	+2853.4	4122	9.3	212624.1	+2851.9	4212	8.8	214451.6	+2814.9
3944	9.4	205105.1	+2846.7	4033	9.5	210906.2	+2810.8	4123	9.2	212626.3	+2805.3	4213	9.3	214530.3	+2805.3
3945	9.3	205110.7	+2846.7	4034	9.5	210912.7	+2811.6	4124	9.7	212633.0	+2841.1	4214	9.3	214601.5	+2814.4
3946	9.4	205123.6	+2826.1	4035	9.5	210938.6	+2821.5	4125	9.5	212645.9	+2836.4	4215	5.9	214602.3	+2807.2
3947	9.0	205130.5	+2815.0	4036	9.4	210950.4	+2818.0	4126	9.5	212706.7	+2825.0	4216	9.3	214613.4	+2853.6
3948	9.4	205135.6	+2801.8	4037	9.4	211002.0	+2803.6	4127	9.4	212727.1	+2842.7	4217	9.1	214624.9	+2834.3
3949	9.5	205137.2	+2801.2	4038	9.5	211006.0	+2809.0	4128	8.8	212745.6	+2819.0	4218	9.5	214626.8	+2830.8
3950	9.4	205140.8	+2831.8	4039	9.5	211013.3	+2804.3	4129	9.3	212756.9	+2837.3	4219	9.4	214652.3	+2853.8
3951	7.7	205154.5	+2850.1	4040	9.5	211044.4	+2814.5	4130	9.3	212826.6	+2819.5	4220	9.3	214657.9	+2836.8
3952	8.3	205157.2	+2842.9	4041	9.5	211052.4	+2857.3	4131	9.5	212838.7	+2823.0	4221	9.5	214706.4	+2858.8
3953	9.5	205243.9	+2811.6	4042	9.4	211112.1	+2847.2	4132	9.5	212858.2	+2847.9	4222	9.5	214706.7	+2826.7
3954	9.5	205250.1	+2826.6	4043	9.5	211116.7	+2807.3	4133	9.1	212927.3	+2857.4	4223	9.5	214718.0	+2842.5
3955	9.5	205309.0	+2811.0	4044	8.8	211121.0	+2838.0	4134	9.2	212931.3	+2852.5	4224	9.4	214720.4	+2807.9
3956	9.5	205324.7	+2843.4	4045	9.5	211121.6	+2804.4	4135	9.5	212945.1	+2845.3	4225	9.4	214727.4	+2808.6
3957	9.2	205336.1	+2826.1	4046	9.3	211150.1	+2856.8	4136	9.5	212952.3	+2857.4	4226	9.3	214730.4	+2812.6
3958	9.2	205336.4	+2812.1	4047	8.7	211152.2	+2848.7	4137	8.1	213002.3	+2853.4	4227	9.2	214735.4	+2811.6
3959	9.3	205362.2	+2821.2	4048	9.5	211158.6	+2811.5	4138	9.4	213004.5	+2814.4	4228	9.5	214802.9	+2833.8
3960	8.8	205348.7	+2843.4	4049	9.3	211200.1	+2844.2	4139	9.5	213014.2	+2800.5	4229	9.2	214804.7	+2824.9
3961	9.4	205407.5	+2857.3	4050	9.5	211232.0	+2838.6	4140	8.8	213044.4	+2810.7	4230	9.5	214819.2	+2856.3
3962	9.0	205420.4	+2812.8	4051	8.8	211233.3	+2857.4	4141	8.0	213057.7	+2849.5	4231	9.5	214822.7	+2822.9
3963	8.5	205421.9	+2834.8	4052	9.5	211237.3	+2855.2	4142	9.5	213059.5	+2817.9	4232	8.3	214828.0	+2840.1
3964	8.9	205426.9	+2852.1	4053	9.4	211253.5	+2812.9	4143	8.6	213125.4	+2859.9	4233	9.5	214850.1	+2809.4
3965	9.4	205431.1	+2822.2	4054	9.5	211342.1	+2845.5	4144	9.5	213132.1	+2847.7	4234	9.5	214851.3	+2812.4
3966	9.5	205506.4	+2811.8	4055	9.4	211350.8	+2841.9	4145	9.0	213147.5	+2817.8	4235	8.8	214902.9	+2834.4
3967	9.2	205620.8	+2855.6	4056	9.4	211354.0	+2831.8	4146	9.5	213202.1	+2846.7	4236	9.5	214908.8	+2829.0
3968	9.4	205621.0	+2808.9	4057	8.5	211358.9	+2831.1	4147	8.7	213202.4	+2834.9	4237	8.8	214917.1	+2844.6
3969	9.4	205633.4	+2851.1	4058	7.6	211419.0	+2811.9	4148	9.5	213226.9	+2854.6	4238	8.8	214925.3	+2856.0
3970	8.2	205645.1	+2825.4	4059	9.3	211429.3	+2829.0	4149	9.5	213230.1	+2845.2	4239	8.5	214928.1	+2842.8
3971	9.3	205658.4	+2854.8	4060	9.5	211448.3	+2840.0	4150	9.5	213252.9	+2835.3	4240	9.4	214936.3	+2805.3
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+27 1008 6h01m

+27 1009 6h01m

+27 1367 7h11m

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1010	9.5	60141.3	+2718.2	1100	9.3	61655.3	+2734.7	1190	9.5	63222.3	+2719.9	1280	9.0	64846.3	+2702.9
1011	9.3	60143.5	+2756.1	1101	9.3	61657.9	+2737.7	1191	9.4	63225.0	+2721.9	1281	8.3	64859.0	+2711.7
1012	8.9	60227.3	+2705.6	1102	8.9	61705.3	+2705.6	1192	9.5	63225.8	+2725.1	1282	8.3	64906.9	+2749.4
1013	8.2	60242.3	+2709.8	1103	9.5	61718.5	+2716.0	1193	8.4	63234.3	+2731.6	1283	9.4	64919.5	+2740.8
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1016	9.5	60307.3	+2752.0	1106	9.1	61740.3	+2746.3	1196	9.3	63256.9	+2755.7	1286	9.1	64955.4	+2729.1
1017	9.5	60312.3	+2730.0	1107	9.5	61745.3	+2707.8	1197	9.0	63258.1	+2717.2	1287	9.4	65020.4	+2714.7
1018	9.5	60336.3	+2741.8	1108	9.5	61800.0	+2752.1	1198	9.4	63320.9	+2715.5	1288	9.5	65042.0	+2754.5
1019	8.5	60354.3	+2727.5	1109	9.0	61800.3	+2722.4	1199	8.9	63329.3	+2733.8	1289	9.4	65058.7	+2741.8
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1021	9.5	60407.5	+2740.4	1111	9.4	61815.3	+2734.9	1201	9.5	63348.4	+2739.0	1291	8.8	65108.0	+2756.7
1022	9.4	60418.2	+2718.7	1112	9.4	61826.5	+2710.3	1202	9.3	63355.3	+2713.9	1292	7.8	65113.5	+2705.0
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1026	9.5	60455.3	+2749.8	1116	9.4	61920.2	+2750.6	1206	9.4	63419.2	+2722.4	1296	7.3	65155.0	+2720.9
1027	9.5	60514.3	+2717.2	1117	7.7	61925.3	+2743.0	1207	9.3	63421.3	+2712.4	1297	9.4	65204.9	+2734.4
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1029	9.1	60537.5	+2724.8	1119	9.3	61927.9	+2700.6	1209	9.2	63443.7	+2715.5	1299	9.3	65212.0	+2758.6
1030	9.0	60544.8	+2724.1	1120	9.4	61937.5	+2705.6	1210	9.2	63445.3	+2734.0	1300	9.0	65213.1	+2733.6
1031	9.5	60549.4	+2702.5	1121	9.2	61942.0	+2715.9	1211	9.2	63446.3	+2707.1	1301	8.2	65221.0	+2734.7
1032	8.8	60550.6	+2755.6	1122	7.0	61952.3	+2703.3	1212	8.2	63507.3	+2737.2	1302	9.5	65231.9	+2712.0
1033	9.5	60616.0	+2732.0	1123	9.3	61952.8	+2731.0	1213	9.2	63509.8	+2727.8	1303	9.5	65233.0	+2709.0
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1036	8.0	60645.3	+2754.5	1126	9.5	62025.3	+2747.5	1216	9.5	63549.3	+2712.7	1306	9.3	65248.4	+2710.9
1037	9.3	60647.0	+2741.2	1127	9.4	62033.0	+2734.0	1217	9.5	63609.4	+2742.5	1307	8.0	65245.4	+2713.4
1038	9.5	60717.2	+2740.0	1128	9.0	62037.1	+2737.9	1218	9.5	63622.3	+2712.7	1308	8.2	65246.7	+2702.6
1039	9.4	60720.3	+2726.5	1129	8.6	62037.5	+2742.8	1219	7.2	63629.2	+2748.8	1309	9.3	65507.9	+2753.8
1040	9.3	60724.3	+2715.9	1130	8.9	62106.2	+2702.4	1220	9.5	63646.9	+2734.7	1310	9.1	65617.4	+2721.3
1041	9.0	60757.3	+2753.9	1131	9.5	62113.3	+2749.7	1221	9.3	63647.8	+2748.0	1311	9.5	65639.6	+2741.4
1042	9.5	60806.3	+2703.0	1132	9.5	62119.3	+2735.7	1222	8.7	63713.9	+2757.6	1312	9.5	65714.0	+2714.7
1043	9.1	60814.2	+2720.3	1133	9.1	62121.0	+2731.3	1223	9.1	63728.8	+2738.9	1313	9.5	65730.9	+2732.3
1044	9.5	60815.0	+2740.8	1134	9.5	62121.8	+2725.4	1224	9.5	63757.0	+2750.5	1314	9.5	65736.5	+2704.5
1045	9.0	60819.7	+2707.2	1135	9.3	62134.7	+2757.3	1225	9.4	63803.0	+2705.8	1315	9.4	65752.2	+2701.8
1046	9.5	60820.3	+2747.0	1136	9.3	62154.3	+2732.5	1226	8.2	63813.1	+2716.5	1316	9.5	65757.7	+2734.3
1047	9.5	60831.7	+2750.7	1137	9.5	62207.0	+2728.1	1227	9.2	63828.2	+2753.7	1317	9.5	65804.9	+2714.8
1048	9.3	60835.3	+2713.7	1138	9.4	62207.8	+2732.1	1228	9.4	63830.5	+2757.5	1318	9.4	65805.1	+2740.0
1049	9.0	60848.4	+2714.4	1139	9.4	62228.3	+2712.2	1229	9.5	63839.1	+2732.6	1319	9.1	65851.6	+2754.6
1050	9.5	60849.4	+2732.9	1140	9.5	62232.3	+2706.3	1230	9.2	63847.3	+2704.4	1320	9.5	65841.9	+2755.3
1051	9.2	60857.2	+2744.5	1141	7.5	62354.8	+2755.5	1231	9.5	63900.6	+2753.1	1321	9.5	65847.2	+2732.0
1052	9.5	60903.6	+2700.9	1142	9.2	62402.4	+2748.9	1232	9.5	63905.4	+2744.8	1322	9.4	65859.8	+2748.0
1053	9.1	60916.3	+2723.2	1143	9.1	62409.5	+2747.5	1233	9.5	63929.3	+2752.7	1323	9.4	65869.0	+2748.1
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1058	9.5	60955.0	+2751.4	1148	8.0	62454.3	+2709.0	1238	9.3	64038.3	+2737.3	1328	5.7	65922.9	+2706.6
1059	9.3	60957.5	+2757.0	1149	9.3	62458.8	+2739.5	1239	9.5	64044.3	+2703.0	1329	9.3	65925.4	+2712.0
1060	8.4	61011.8	+2702.5	1150	9.0	62501.0	+2759.3	1240	8.2	64100.0	+2709.9	1330	9.3	65944.5	+2712.0
1061	9.2	61016.4	+2759.9	1151	9.3	62511.3	+2743.1	1241	9.5	64114.9	+2729.0	1331	9.4	65947.2	+2732.0
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1065	9.4	61054.3	+2713.3	1155	9.3	62555.3	+2750.4	1245	9.4	64150.7	+2731.3	1335	9.0	65947.2	+2732.0
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1071	9.4	61119.0	+2737.9	1161	9.5	62642.3	+2706.9	1251	9.5	64319.2	+2702.4	1341	9.1	65947.2	+2732.0
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+27 2087 11h55m

1728	9.5	90531.6	+2702.8	1818	8.8	94349.4	+2734.7	1908	9.4	102742.2	+2703.9	1998	8.2	110720.1	+2702.9
1729	9.1	90532.9	+2717.5	1819	8.0	94405.9	+2739.2	1909	9.5	102807.3	+2717.8	1999	8.8	110729.9	+2749.7
1730	9.5	90550.9	+2704.3	1820	9.5	94439.6	+2719.6	1910	9.5	102839.2	+2729.5	2000	8.3	110729.9	+2714.2
1731	9.2	90559.8	+2705.1	1821	8.8	94540.9	+2758.4	1911	9.3	102843.8	+2711.4	2001	9.2	110606.5	+2733.9
1732	9.2	90618.4	+2750.9	1822	9.5	94620.3	+2707.6	1912	9.5	102914.9	+2721.9	2002	8.7	110832.7	+2700.4
1733	9.5	90659.2	+2752.0	1823	9.4	94658.3	+2755.6	1913	9.5	102917.3	+2749.1	2003	9.4	110936.8	+2721.5
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1735	9.5	90822.1	+2738.5	1825	9.5	94756.0	+2755.2	1915	9.1	103049.7	+2757.9	2005	9.5	111150.2	+2704.7
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1737	8.5	90858.3	+2702.8	1827	9.5	94845.6	+2739.4	1917	8.1	103139.3	+2723.6	2007	9.4	111233.6	+2752.6
1738	9.4	90933.5	+2745.1	1828	9.3	94918.7	+2712.3	1918	9.2	103156.3	+2731.5	2008	9.3	111400.7	+2705.8
1739	9.3	90951.5	+2753.7	1829	9.1	94919.4	+2740.0	1919	9.3	103208.7	+2701.2	2009	8.7	111442.3	+2739.4
1740	9.5	91103.2	+2757.8	1830	9.2	94926.2	+2748.4	1920	9.5	103246.2	+2741.9	2010	9.5	111442.6	+2753.0
1741	9.5	91107.4	+2711.1	1831	9.5	94927.7	+2740.7	1921	9.4	103252.2	+2700.9	2011	9.3	111505.6	+2728.3
1742	8.5	91132.7	+2748.1	1832	9.2	94947.3	+2707.4	1922	9.5	103251.8	+2734.0	2012	9.4	111516.2	+2724.8
1743	8.8	91148.5	+2732.8	1833	9.5	95006.2	+2730.2	1923	8.6	103332.5	+2709.4	2013	9.4	111526.9	+2700.4
1744	9.5	91259.5	+2734.4	1834	9.5	95050.5	+2706.9	1924	9.5	103336.1	+2703.8	2014	9.1	111551.8	+2748.4
1745	8.6	91313.4	+2729.3	1835	9.5	95205.3	+2735.0	1925	8.8	103358.3	+2747.0	2015	9.3	111559.3	+2729.1
1746	9.5	91340.9	+2736.1	1836	9.5	95205.4	+2711.7	1926	9.3	103452.7	+2720.0	2016	9.4	111715.5	+2759.2
1747	9.4	91354.5	+2707.9	1837	9.5	95405.1	+2702.5	1927	5.3	103504.4	+2705.4	2017	9.5	111753.8	+2745.2
1748	9.5	91447.6	+2718.2	1838	9.5	95434.9	+2731.9	1928	9.5	103550.1	+2737.3	2018	9.5	111755.6	+2721.5
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1757	9.2	91957.2	+2742.3	1847	8.3	95907.7	+2736.1	1937	9.5	104000.0	+2759.7	2027	9.3	112019.6	+2744.2
1758	9.2	92035.2	+2715.8	1848	7.5	95914.3	+2729.4	1938	8.5	104105.7	+2734.6	2028	9.4	112037.7	+2707.5
1759	9.4	92055.6	+2722.4	1849	9.5	95928.6	+2756.3	1939	9.5	104140.0	+2759.0	2029	9.5	112122.1	+2732.2
1760	9.3	92127.0	+2747.5	1850	8.9	95937.9	+2722.5	1940	9.5	104142.4	+2744.2	2030	8.8	112145.7	+2721.6
1761	9.3	92136.4	+2720.6	1851	8.3	95942.8	+2711.3	1941	9.3	104229.1	+2739.1	2031	8.7	112203.2	+2722.6
1762	9.4	92151.5	+2746.5	1852	8.0	95956.3	+2728.8	1942	8.6	104229.4	+2716.7	2032	9.4	112206.5	+2734.0
1763	9.5	92209.6	+2733.4	1853	7.8	100117.2	+2745.9	1943	9.5	104257.8	+2744.3	2033	9.1	112244.4	+2710.9
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1781	8.8	92706.8	+2744.0	1871	8.9	101037.3	+2757.0	1961	9.5	105037.4	+2729.0	2051	9.2	113823.9	+2712.8
1782	9.5	92752.4	+2700.2	1872	9.4	101139.2	+2730.2	1962	9.5	105052.2	+2723.0	2052	9.1	113929.4	+2750.5
1783	9.5	92759.6	+2720.0	1873	9.5	101141.8	+2747.1	1963	9.4	105155.9	+2706.1	2053	9.1	113931.2	+2738.8
1784	9.4	92801.6	+2745.0	1874	9.2	101144.8	+2735.5	1964	9.3	105203.2	+2708.2	2054	9.2	113922.2	+2750.6
1785	9.5	92814.1	+2716.7	1875	9.0	101150.3	+2716.5	1965	8.9	105248.7	+2706.1	2055	8.7	113924.4	+2749.6
1786	9.1	92815.5	+2747.0	1876	9.4	101232.1	+2701.4	1966	8.9	105253.1	+2730.5	2056	9.4	113930.3	+2744.3
1787	9.3	92816.2	+2714.5	1877	9.1	101248.3	+2724.0	1967	8.7	105253.5	+2753.7	2057	9.0	113957.0	+2715.4
1788	9.5	92908.5	+2704.2	1878	8.3	101301.5	+2737.7	1968	8.0	105305.1	+2754.1	2058	9.5	114017.1	+2759.3
1789	9.5	92955.6	+2757.4	1879	8.5	101301.8	+2726.0	1969	9.5	105342.4	+2730.9	2059	9.4	114031.6	+2728.9
1790	8.6	93010.7	+2711.3	1880	9.5	101330.2	+2746.0	1970	8.6	105521.0	+2716.0	2060	9.5	114040.4	+2723.7
1791	9.1	93040.0	+2718.9	1881	9.5	101413.5	+2757.7	1971	9.5	105648.3	+2756.4	2061	9.5	114149.5	+2754.2
1792	9.4	93124.8	+2706.9	1882	9.3	101507.3	+2757.6	1972	9.4	105655.0	+2735.4	2062	9.5	114200.8	+2702.5
1793	9.5	93137.0	+2711.3	1883	9.0	101512.3	+2739.4	1973	9.0	105659.8	+2734.6	2063	9.5	114421.1	+2710.3
1794	8.7	93238.5	+2716.5	1884	8.6	101518.3	+2712.3	1974	9.3	105737.3	+2708.2	2064	9.3	114540.7	+2712.1
1795	8.7	93247.4	+2746.7	1885	9.1	101529.8	+2703.8	1975	9.5	105729.5	+2749.0	2065	9.1	114543.1	+2731.9
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1797	9.5	93335.6	+2709.8	1887	9.3	101554.2	+2729.1	1977	9.5	105737.3	+2734.2	2067	9.5	114609.4	+2734.7
1798	9.5	93342.5	+2742.6	1888	9.0	101600.5	+2705.0	1978	8.6	105833.5	+2750.7	2068	9.2	114637.6	+2712.3
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1800	8.5	93451.5	+2752.0	1890	8.5	101834.3	+2716.4	1980	9.4	105854.3	+2728.6	2070	8.8	114853.6	+2729.5
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3901	9.3	204658.3	+2733.6	3991	9.4	210416.3	+2753.2	4081	9.5	212332.5	+2741.0	4171	9.5	214250.0	+2747.8
3902	9.5	204700.8	+2704.5	3992	9.3	210417.2	+2728.4	4082	9.2	212340.0	+2703.6	4172	9.3	214250.1	+2726.7
3903	9.0	204725.8	+2711.8	3993	9.2	210420.3	+2729.5	4083	9.5	212413.1	+2722.5	4173	9.2	214250.6	+2719.3
3904	9.5	204726.8	+2714.7	3994	8.7	210444.2	+2744.5	4084	9.5	212419.2	+2714.9	4174	9.5	214254.6	+2729.4
3905	8.8	204733.7	+2710.7	3995	8.7	210444.7	+2749.4	4085	8.6	212445.9	+2744.2	4175	9.3	214255.4	+2702.3
3906	9.3	204748.9	+2713.2	3996	9.5	210455.6	+2701.6	4086	9.5	212447.4	+2753.8	4176	9.5	214313.3	+2726.5
3907	9.0	204806.0	+2734.8	3997	9.5	210501.3	+2704.3	4087	9.1	212453.0	+2741.5	4177	9.0	214316.4	+2709.4
3908	9.4	204807.1	+2706.3	3998	9.5	210522.6	+2708.8	4088	9.1	212519.2	+2714.8	4178	9.3	214346.6	+2712.0
3909	7.0	204813.2	+2758.3	3999	9.5	210535.3	+2720.4	4089	9.5	212522.0	+2728.0	4179	9.3	214355.0	+2756.3
3910	9.0	204814.0	+2730.9	4000	9.4	210547.4	+2710.9	4090	9.2	212543.9	+2728.5	4180	9.4	214404.1	+2733.1
3911	5.3	204823.7	+2730.0	4001	9.5	210555.0	+2716.9	4091	9.3	212556.6	+2741.8	4181	9.4	214431.4	+2752.7
3912	9.3	204828.7	+2739.6	4002	9.5	210602.9	+2730.1	4092	9.2	212559.1	+2717.5	4182	9.5	214509.5	+2742.6
3913	9.3	204830.6	+2730.7	4003	8.4	210615.1	+2745.1	4093	9.5	212604.7	+2755.3	4183	9.5	214529.2	+2727.5
3914	9.4	204836.5	+2722.2	4004	9.4	210635.1	+2735.8	4094	9.5	212620.3	+2756.3	4184	8.6	214537.3	+2706.3
3915	8.0	204850.9	+2732.4	4005	9.5	210639.0	+2710.3	4095	9.2	212627.6	+2741.5	4185	9.0	214544.8	+2714.1
3916	9.3	204853.8	+2735.0	4006	8.1	210642.2	+2758.3	4096	9.2	212634.0	+2722.7	4186	8.8	214555.0	+2723.2
3917	9.4	204901.7	+2739.3	4007	8.1	210642.9	+2732.9	4097	9.5	212718.6	+2739.6	4187	9.5	214613.8	+2751.0
3918	9.4	204905.5	+2707.5	4008	9.4	210735.3	+2702.9	4098	9.5	212724.1	+2704.8	4188	9.5	214656.1	+2759.0
3919	9.5	204914.1	+2706.8	4009	9.3	210742.6	+2731.2	4099	9.4	212727.2	+2731.9	4189	9.4	214703.3	+2704.4
3920	9.5	204914.6	+2758.3	4010	9.3	210743.7	+2734.9	4100	9.5	212733.8	+2708.4	4190	9.4	214713.3	+2754.0
3921	9.2	204920.8	+2756.8	4011	9.5	210751.9	+2753.1	4101	9.5	212753.1	+2725.1	4191	9.5	214713.9	+2725.4
3922	9.3	204931.6	+2722.3	4012	9.1	210814.0	+2749.9	4102	9.5	212753.1	+2737.7	4192	6.8	214726.2	+2739.8
3923	9.5	204940.6	+2730.7	4013	9.3	210816.3	+2701.7	4103	9.5	212823.6	+2750.0	4193	9.1	214802.2	+2752.1
3924	7.2	204949.6	+2701.6	4014	8.4	210817.4	+2734.1	4104	9.0	212825.4	+2738.3	4194	9.5	214806.2	+2757.3
3925	9.5	204952.9	+2721.5	4015	9.3	210828.5	+2710.8	4105	9.5	212836.0	+2709.7	4195	9.5	214823.2	+2737.9
3926	9.5	204957.8	+2714.5	4016	9.5	210843.0	+2754.5	4106	9.0	212839.7	+2733.9	4196	9.5	214825.8	+2747.5
3927	9.1	205015.6	+2745.8	4017	9.1	210844.5	+2719.7	4107	6.7	212853.2	+2739.6	4197	9.5	214833.7	+2715.2
3928	9.5	205039.7	+2730.0	4018	9.2	210850.7	+2731.2	4108	8.7	212856.1	+2722.0	4198	9.2	214842.6	+2719.2
3929	9.5	205059.0	+2702.0	4019	9.5	210853.2	+2743.2	4109	9.5	212903.1	+2748.4	4199	9.2	214844.1	+2753.6
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3932	9.4	205123.9	+2727.7	4022	9.4	210911.8	+2749.4	4112	9.3	212925.8	+2702.4	4202	9.5	214916.1	+2726.7
3933	9.4	205139.4	+2707.9	4023	8.1	210919.8	+2723.7	4113	9.3	212939.6	+2718.0	4203	9.4	214918.4	+2749.9
3934	8.5	205209.4	+2742.3	4024	9.5	211004.1	+2703.1	4114	9.5	212942.9	+2725.7	4204	9.4	214920.8	+2756.2
3935	9.5	205240.8	+2709.7	4025	9.5	211030.6	+2740.0	4115	9.3	212952.5	+2743.4	4205	9.5	214926.0	+2758.2
3936	9.5	205246.2	+2754.4	4026	9.5	211040.1	+2754.5	4116	9.4	213024.6	+2722.5	4206	9.4	214933.1	+2753.7
3937	9.5	205319.6	+2706.3	4027	9.3	211046.7	+2725.0	4117	8.7	213027.3	+2717.2	4207	9.4	214939.9	+2739.2
3938	9.4	205323.3	+2758.9	4028	9.5	211048.7	+2733.5	4118	9.2	213108.7	+2720.8	4208	9.3	215004.4	+2725.1
3939	9.2	205404.1	+2730.6	4029	9.5	211052.0	+2746.7	4119	9.4	213124.6	+2756.3	4209	9.2	215004.8	+2745.5
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3946	7.6	205529.0	+2731.9	4036	9.5	211148.6	+2717.2	4126	9.2	213256.3	+2710.5	4216	9.5	215201.3	+2720.7
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3948	9.5	205602.4	+2708.5	4038	9.5	211225.2	+2759.3	4128	8.8	213328.2	+2733.9	4218	9.5	215232.1	+2720.3
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+26 1361 6h39m

+26 1719 7h57m

1361	9.2	63946.3	+2627.8	1450	9.5	65642.8	+2649.1	1540	9.5	71410.8	+2645.7	1630	9.0	73357.0	+2618.3
1362	9.5	64010.3	+2651.5	1451	8.9	65647.5	+2621.4	1541	9.5	71442.0	+2615.5	1631	8.5	73435.2	+2657.0
1363	9.5	64030.2	+2614.0	1452	9.5	65651.0	+2642.3	1542	8.8	71446.5	+2632.0	1632	9.5	73448.7	+2622.8
1364	9.5	64034.2	+2604.5	1453	8.3	65708.1	+2601.8	1543	9.5	71523.1	+2610.0	1633	6.3	73516.2	+2607.4
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1369	9.5	64139.1	+2648.0	1458	9.5	65751.2	+2630.0	1548	9.3	71552.3	+2650.3	1638	8.2	73640.3	+2619.6
1370	8.0	64148.3	+2628.2	1459	9.5	65821.8	+2623.9	1549	9.5	71553.2	+2632.0	1639	9.5	73650.7	+2639.1
1371	8.7	64202.3	+2604.2	1460	9.5	65823.6	+2623.6	1550	9.3	71613.0	+2622.8	1640	8.8	73657.2	+2653.0
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1382	9.5	64442.8	+2652.3	1471	8.5	70107.5	+2625.6	1561	9.0	71841.8	+2604.8	1651	9.5	73915.2	+2601.7
1383	9.2	64450.4	+2601.9	1472	9.2	70114.6	+2601.2	1562	9.3	71842.5	+2607.5	1652	9.0	73925.1	+2619.2
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1388	8.8	64555.7	+2617.0	1477	9.4	70157.6	+2633.4	1567	9.5	72008.6	+2600.0	1657	9.0	74057.4	+2632.6
1389	9.5	64559.0	+2650.7	1478	9.3	70207.7	+2640.3	1568	9.3	72037.0	+2628.3	1658	9.0	74106.8	+2653.8
1390	8.5	64606.5	+2624.9	1479	9.5	70225.7	+2635.1	1569	9.5	72100.7	+2608.0	1659	9.5	74141.3	+2642.8
1391	9.5	64616.5	+2649.8	1480	9.5	70230.3	+2607.8	1570	9.3	72105.1	+2604.2	1660	9.2	74218.7	+2617.8
1392	9.0	64618.5	+2642.6	1481	7.0	70232.0	+2638.5	1571	9.1	72131.6	+2612.6	1661	8.7	74220.7	+2643.6
1393	9.2	64646.5	+2606.3	1482	8.9	70247.6	+2606.6	1572	9.3	72136.5	+2646.5	1662	9.4	74245.6	+2608.3
1394	9.5	64653.0	+2648.5	1483	9.5	70255.5	+2628.2	1573	8.7	72136.7	+2603.7	1663	9.4	74304.4	+2633.2
1395	9.5	64659.4	+2605.2	1484	9.1	70304.0	+2619.7	1574	9.3	72150.9	+2640.0	1664	9.5	74347.8	+2650.1
1396	9.0	64718.7	+2609.0	1485	8.7	70322.1	+2603.5	1575	9.3	72156.5	+2601.0	1665	8.8	74356.4	+2618.1
1397	9.5	64726.1	+2640.9	1486	9.5	70331.0	+2653.1	1576	9.3	72205.9	+2629.3	1666	9.5	74409.7	+2612.3
1398	9.0	64740.5	+2600.3	1487	7.8	70333.0	+2649.5	1577	9.1	72212.8	+2642.7	1667	9.3	74428.0	+2652.5
1399	9.5	64752.3	+2655.6	1488	9.1	70355.1	+2620.3	1578	9.5	72231.3	+2659.9	1668	8.0	74451.8	+2656.1
1400	9.2	64813.0	+2652.1	1489	9.3	70403.8	+2645.3	1579	9.0	72242.0	+2645.1	1669	9.5	74506.4	+2656.6
1401	9.0	64813.4	+2601.2	1490	9.5	70450.6	+2614.5	1580	8.5	72247.4	+2605.9	1670	9.5	74515.3	+2629.9
1402	9.5	64839.1	+2601.8	1491	9.5	70451.5	+2606.6	1581	9.4	72321.0	+2659.9	1671	9.5	74522.0	+2600.3
1403	9.5	64840.5	+2655.6	1492	9.0	70500.0	+2643.1	1582	9.5	72329.5	+2645.8	1672	9.1	74535.4	+2656.3
1404	8.8	64853.0	+2644.4	1493	9.3	70528.5	+2638.2	1583	9.5	72341.4	+2600.8	1673	8.5	74537.6	+2632.7
1405	6.2	64951.0	+2615.8	1494	8.9	70532.9	+2609.0	1584	8.8	72344.8	+2628.3	1674	9.5	74545.4	+2627.3
1406	9.5	64956.8	+2641.3	1495	8.8	70547.4	+2653.4	1585	9.0	72346.3	+2608.8	1675	8.9	74547.0	+2625.3
1407	9.0	64958.0	+2621.0	1496	9.5	70554.7	+2607.3	1586	9.1	72352.8	+2635.1	1676	9.0	74549.8	+2627.7
1408	9.4	65011.0	+2629.0	1497	8.5	70606.5	+2614.5	1587	7.7	72401.2	+2648.4	1677	9.4	74611.3	+2602.1
1409	9.0	65013.0	+2635.8	1498	8.2	70613.0	+2607.8	1588	7.8	72418.0	+2623.8	1678	9.5	74611.7	+2646.6
1410	8.6	65017.3	+2605.3	1499	9.5	70631.8	+2608.7	1589	8.3	72421.0	+2645.8	1679	9.5	74635.1	+2656.1
1411	6.5	65031.4	+2605.8	1500	9.4	70647.7	+2652.8	1590	8.7	72427.2	+2601.8	1680	9.4	74635.7	+2645.1
1412	8.8	65032.0	+2613.9	1501	9.3	70651.2	+2623.6	1591	9.0	72442.7	+2618.0	1681	9.5	74727.3	+2640.1
1413	9.5	65034.6	+2654.6	1502	9.1	70652.5	+2646.1	1592	9.1	72502.6	+2627.1	1682	9.5	74737.4	+2614.7
1414	9.5	65034.9	+2650.2	1503	9.3	70654.6	+2607.2	1593	9.3	72530.1	+2648.9	1683	9.5	74754.8	+2620.2
1414a	9.5	65042.6	+2611.1	1504	9.5	70703.0	+2600.4	1594	9.5	72545.4	+2649.2	1684	8.2	74758.4	+2629.2
1415	9.5	65059.5	+2630.7	1505	9.3	70723.6	+2612.2	1595	9.5	72551.3	+2624.5	1685	9.5	74828.1	+2627.8
1416	9.5	65111.0	+2638.5	1506	9.3	70727.6	+2627.9	1596	9.3	72553.6	+2652.9	1686	9.3	74850.9	+2601.1
1417	9.5	65114.6	+2602.0	1507	9.4	70744.5	+2616.5	1597	9.0	72556.0	+2650.4	1687	9.5	74853.0	+2642.6
1418	9.5	65117.8	+2637.5	1508	6.5	70804.0	+2656.7	1598	9.3	72602.4	+2630.3	1688	9.5	74906.4	+2622.0
1419	9.5	65134.5	+2632.3	1509	9.5	70814.0	+2647.5	1599	9.5	72611.5	+2602.5	1689	8.8	74950.3	+2624.6
1420	9.4	65142.9	+2619.4	1510	7.5	70817.5	+2637.4	1600	9.4	72621.6	+2632.3	1690	9.3	74953.4	+2635.0
1421	9.5	65152.3	+2644.3	1511	9.5	70849.5	+2609.4	1601	8.4	72624.8	+2654.4	1691	9.3	75006.4	+2625.0
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1423	9.1	65203.3	+2625.9	1513	9.4	70902.4	+2613.2	1603	9.0	72633.5	+2653.0	1693	9.5	75109.3	+2602.1
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2808	9.4	160908.4	+2600.9	2898	9.5	164054.0	+2603.2	2988	9.2	171021.5	+2623.9	3078	9.4	174113.7	+2627.8
2809	9.4	160944.0	+2605.7	2899	9.4	164104.4	+2640.1	2989	9.3	171040.2	+2646.1	3079	9.3	174118.7	+2634.2
2810	9.5	160944.9	+2648.0	2900	9.3	164108.4	+2603.8	2990	9.0	171047.1	+2644.1	3080	9.4	174118.9	+2600.8
2811	9.4	160950.0	+2615.8	2901	9.3	164112.9	+2653.6	2991	9.3	171108.7	+2611.0	3081	9.0	174203.7	+2659.4
2812	9.5	161030.7	+2640.8	2902	9.4	164116.6	+2621.6	2992	8.0	171112.1	+2652.3	3082	9.1	174215.2	+2611.4
2813	9.4	161035.4	+2658.4	2903	9.1	164138.0	+2649.9	2993	8.5	171114.9	+2613.4	3083	9.5	174225.0	+2637.3
2814	9.5	161040.5	+2622.8	2904	7.8	164238.7	+2651.4	2994	7.5	171118.0	+2602.7	3084	9.5	174238.4	+2622.9
2815	9.5	161118.9	+2650.9	2905	9.5	164306.2	+2639.4	2995	9.5	171148.6	+2622.4	3085	9.5	174322.8	+2652.2
2816	8.8	161209.1	+2612.8	2906	8.3	164337.0	+2616.9	2996	9.5	171150.0	+2647.8	3086	9.5	174340.5	+2639.8
2817	6.5	161223.2	+2615.1	2907	7.0	164408.2	+2627.6	2997	9.5	171157.9	+2655.5	3087	8.6	174405.5	+2613.9
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2820	9.4	161250.1	+2623.7	2910	9.3	164714.2	+2612.5	3000	9.4	171339.3	+2600.2	3090	9.5	174443.2	+2611.1
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2822	9.3	161313.0	+2614.3	2912	8.9	164741.4	+2640.8	3002	9.0	171427.9	+2621.7	3092	9.4	174508.3	+2646.7
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+26 3514 19h11m

+26 3515 19h12m

+26 3871 20h14m

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+26 3872 20h14m

+26 4229 21h33m

3872	9.5	201426.2	+2602.8	3960	9.3	203536.3	+2655.4	4050	8.3	205512.6	+2610.0	4140	9.4	211629.1	+2657.4
3873	9.5	201443.3	+2623.1	3961	8.4	203536.5	+2635.5	4051	4.8	205531.3	+2640.6	4141	9.5	211631.6	+2636.3
3874	8.4	201456.4	+2657.3	3962	9.4	203547.0	+2653.0	4052	8.9	205539.1	+2619.2	4142	9.2	211638.3	+2649.0
3875	8.8	201533.0	+2611.2	3963	9.5	203549.6	+2652.6	4053	8.8	205539.5	+2633.4	4143	9.5	211643.8	+2647.4
3876	9.5	201540.0	+2613.7	3964	9.5	203648.5	+2602.1	4054	9.0	205550.1	+2650.7	4144	9.3	211644.6	+2606.7
3877	9.5	201600.4	+2637.2	3965	9.5	203651.7	+2655.3	4055	9.5	205602.8	+2659.1	4145	8.8	211715.2	+2632.2
3878	9.5	201602.0	+2633.0	3966	9.4	203652.2	+2656.1	4056	9.5	205616.9	+2608.9	4146	8.9	211759.0	+2601.3
3879	9.5	201603.1	+2618.2	3967	9.4	203654.6	+2628.2	4057	9.5	205622.1	+2648.0	4147	9.4	211815.9	+2632.1
3880	9.3	201615.1	+2650.2	3968	9.0	203703.7	+2624.1	4058	9.4	205627.6	+2626.3	4148	9.4	211816.2	+2654.0
3881	9.5	201640.6	+2627.5	3969	7.8	203713.3	+2643.8	4059	9.3	205628.7	+2610.3	4149	8.5	211824.1	+2600.1
3882	9.0	201643.4	+2643.8	3970	8.5	203746.2	+2655.8	4060	9.0	205629.4	+2618.9	4150	9.0	211829.6	+2628.8
3883	9.0	201644.1	+2641.4	3971	9.5	203808.3	+2622.1	4061	9.5	205656.3	+2601.8	4151	7.0	211837.3	+2647.3
3884	8.5	201646.4	+2640.1	3972	9.4	203816.1	+2601.9	4062	7.0	205704.2	+2645.7	4152	9.5	211840.6	+2629.5
3885	9.5	201652.5	+2654.9	3973	9.0	203823.9	+2658.6	4063	9.4	205712.3	+2659.7	4153	8.7	211844.4	+2631.3
3886	9.5	201706.7	+2647.5	3974	9.5	203831.5	+2631.6	4064	8.5	205725.0	+2614.9	4154	8.8	211859.5	+2613.3
3887	9.5	201739.8	+2641.6	3975	9.0	203839.3	+2601.8	4065	9.4	205814.6	+2659.2	4155	8.5	211900.0	+2632.7
3888	9.2	201829.4	+2625.0	3976	9.5	203842.3	+2607.8	4066	8.0	205853.0	+2611.0	4156	8.3	211906.1	+2635.3
3889	9.5	201833.0	+2634.2	3977	9.4	203908.7	+2625.7	4067	9.0	205853.2	+2604.8	4157	9.5	211920.3	+2658.0
3890	9.4	201833.2	+2652.4	3978	9.4	203915.0	+2617.7	4068	9.4	205902.0	+2613.7	4158	9.5	211943.1	+2632.1
3891	8.5	201837.7	+2638.8	3979	9.0	203922.0	+2634.6	4069	9.5	205902.2	+2626.0	4159	9.0	211946.7	+2621.6
3892	9.0	201902.3	+2640.9	3980	9.4	203952.2	+2606.8	4070	8.5	205908.8	+2642.6	4160	9.3	211949.9	+2616.4
3893	9.4	201904.1	+2656.0	3981	9.3	203957.4	+2616.9	4071	9.5	205931.8	+2659.1	4161	9.5	212000.0	+2633.6
3894	9.2	201913.5	+2658.9	3982	9.1	204000.4	+2650.9	4072	9.5	210005.1	+2637.6	4162	9.5	212011.0	+2624.8
3895	9.4	201918.3	+2656.9	3983	9.5	204035.5	+2600.5	4073	6.3	210005.8	+2621.1	4163	8.8	212032.9	+2633.5
3896	9.0	201929.1	+2654.4	3984	9.2	204036.1	+2629.7	4074	9.4	210011.2	+2620.5	4164	5.4	212117.0	+2658.9
3897	8.2	201931.0	+2614.1	3985	9.4	204040.6	+2628.7	4075	9.3	210024.1	+2649.9	4165	9.5	212122.6	+2620.5
3898	9.2	201936.5	+2613.9	3986	8.9	204047.0	+2634.6	4076	9.5	210050.3	+2655.3	4166	9.1	212125.9	+2608.5
3899	9.5	201942.2	+2626.0	3987	9.3	204052.2	+2646.9	4077	9.5	210053.8	+2604.6	4167	9.1	212129.4	+2639.3
3900	9.4	201954.4	+2602.1	3988	9.5	204100.8	+2659.1	4078	9.4	210125.3	+2605.0	4168	9.1	212130.1	+2646.5
3901	9.5	201958.9	+2617.2	3989	9.5	204102.7	+2626.8	4079	8.9	210220.9	+2642.5	4169	8.6	212138.2	+2645.3
3902	9.0	202021.3	+2622.6	3990	9.5	204111.2	+2627.0	4080	9.5	210223.8	+2659.4	4170	8.6	212145.7	+2656.8
3903	9.1	202044.0	+2653.5	3991	9.5	204117.0	+2632.1	4081	9.5	210223.8	+2640.1	4171	9.2	212148.2	+2605.2
3904	9.5	202121.3	+2622.6	3992	9.5	204122.2	+2634.1	4082	9.5	210226.5	+2624.8	4172	9.5	212211.1	+2625.2
3904a10	0	202130.0	+2618.9	3993	9.0	204123.3	+2642.8	4083	9.5	210231.1	+2616.5	4173	9.5	212212.9	+2619.7
3904b10	0	202134.8	+2615.9	3994	9.5	204154.0	+2606.8	4084	9.5	210236.6	+2638.0	4174	9.5	212245.2	+2646.3
3905	8.7	202204.4	+2655.7	3995	8.0	204155.1	+2655.2	4085	9.3	210236.8	+2610.7	4175	9.4	212246.4	+2608.2
3906	9.3	202220.9	+2659.1	3996	8.8	204207.2	+2646.6	4086	9.5	210239.8	+2603.3	4176	9.5	212258.8	+2624.0
3907	9.5	202243.0	+2647.4	3997	8.8	204211.0	+2652.5	4087	7.8	210244.1	+2624.8	4177	9.4	212323.7	+2655.0
3908	9.2	202255.1	+2629.0	3998	8.8	204212.6	+2617.1	4088	9.0	210250.6	+2612.5	4178	9.5	212337.3	+2638.9
3909	9.5	202307.7	+2624.3	3999	9.5	204227.4	+2657.8	4089	9.4	210312.1	+2624.6	4179	9.5	212340.8	+2643.6
3910	9.5	202309.3	+2602.4	4000	9.4	204242.7	+2605.3	4090	9.5	210331.7	+2646.3	4180	9.1	212402.7	+2601.2
3911	8.8	202318.4	+2635.7	4001	8.7	204248.3	+2642.6	4091	8.0	210340.8	+2601.8	4181	9.3	212409.9	+2650.1
3912	8.2	202320.7	+2627.3	4002	9.4	204301.2	+2600.9	4092	1.8	210358.7	+2642.2	4182	8.8	212418.3	+2650.6
3913	9.5	202322.0	+2657.1	4003	9.2	204318.1	+2655.6	4093	5.4	210405.9	+2642.5	4183	9.2	212427.0	+2611.9
3914	9.3	202329.1	+2608.3	4004	9.5	204325.2	+2617.5	4094	9.2	210419.5	+2617.7	4184	9.4	212429.8	+2625.4
3915	9.5	202403.3	+2621.6	4005	8.0	204326.0	+2622.1	4095	9.3	210426.6	+2621.4	4185	9.4	212431.6	+2623.4
3916	9.5	202439.1	+2628.3	4006	9.4	204342.4	+2639.4	4096	9.2	210436.1	+2637.7	4186	9.4	212443.1	+2627.4
3917	7.7	202448.0	+2612.2	4007	9.5	204343.6	+2630.5	4097	7.5	210509.0	+2657.6	4187	9.5	212515.6	+2640.0
3918	9.5	202455.1	+2609.0	4008	7.5	204354.1	+2650.3	4098	9.5	210515.5	+2647.3	4188	9.5	212524.2	+2653.4
3919	9.4	202530.8	+2616.5	4009	8.9	204406.8	+2603.7	4099	9.5	210517.3	+2657.5	4189	8.8	212552.0	+2642.0
3920	9.4	202541.8	+2620.1	4010	8.8	204411.0	+2604.3	4100	8.1	210558.9	+2655.1	4190	9.5	212551.8	+2648.3
3921	8.2	202544.5	+2633.0	4011	9.5	204419.6	+2600.9	4101	9.3	210649.1	+2612.7	4191	8.8	212604.2	+2641.7
3922	8.5	202554.5	+2634.9	4012	8.9	204455.0	+2602.0	4102	9.4	210650.8	+2610.7	4192	9.5	212614.1	+2635.3
3923	9.5	202606.0	+2615.3	4013	7.7	204513.6	+2653.3	4103	9.5	210654.3	+2645.0	4193	9.5	212626.5	+2637.8
3924	9.4	202616.5	+2633.5	4014	9.0	204531.2	+2603.6	4104	9.3	210700.4	+2648.6	4194	8.6	212634.0	+2641.7
3925	9.5	202619.5	+2654.3	4015	9.2	204542.9	+2637.2	4105	9.5	210704.8	+2623.5	4195	9.2	212644.4	+2630.6
3926	9.4	202623.8	+2641.4	4016	9.4	204554.8	+2623.3	4106	9.4	210709.5	+2613.5	4196	9.5	212656.6	+2611.7
3927	9.5	202636.7	+2605.8	4017	5.0	204556.5	+2632.9	4107	8.9	210736.8	+2632.9	4197	8.1	212710.2	+2657.5
3928	7.1	202644.3	+2643.1	4018	9.4	204609.7	+2601.8	4108	9.5	210741.3	+2625.6	4198	9.4	212734.4	+2631.4
3929	9.2	202650.1	+2601.2	4019	9.1	204634.7	+2625.5	4109	9.5	210747.4	+2646.6	4199	9.5	212757.1	+2620.5
3930	8.7	202711.2	+2658.0	4020	9.5	204646.4	+2609.8	4110	9.3	210814.6	+2625.3	4200	9.5	212809.6	+2610.4
3931	9.4	202714.8	+2629.8	4021	9.2	204704.9	+2635.9	4111	9.5	210827.0	+2611.3	4201	9.3	212821.6	+2650.2
3932	9.5	202755.2	+2602.8	4022	9.5	204711.3	+2641.8	4112	9.5	210844.6	+2611.1	4202	9.5	212832.0	+2619.2
3933	9.5	202834.8	+2622.3	4023	9.2	204722.9	+2638.1	4113	9.4	210908.5	+2659.3	4203	9.5	212835.0	+2627.9
3934	9.5	202901.2	+2602.0	4024	9.5	204818.6	+2629.5	4114	9.3	210930.1	+2625.6	4204	9.3	212845.7	+2622.0
3935	8.8	202941.3	+2643.6	4025	9.2	204848.7	+2647.8	4115	9.5	210950.7	+2656.7	4205	9.0	212846.3	+2631.9
3936	9.1	202943.3	+2614.5	4026	9.5	204857.0	+2631.7	4116	9.3	211001.0	+2618.7	4206	9.3	212859.9	+2648.0
3937	8.1	203021.8	+2608.2	4027	9.4	204915.7	+2619.6	4117	9.1	211007.8	+2634.7	4207	9.5	212915.5	+2609.8
3938	8.4	203047.5	+2634.4	4028	9.0	204918.5	+2613.7	4118	8.4	211032.0	+2639.0	4208	9.0	212919.0	+2649.4
3939	9.5	203058.0	+2614.1	4029	8.8	204921.5	+2634.2	4119	9.5	211051.8	+2624.9	4209	9.5	212923.8	+2659.5
3940	9.5	203141.7	+2603.3	4030	9.5	204935.2	+2612.1	4120	9.4	211105.6	+2650.8	4210	9.0	212938.3	+2636.8
3941	8.0	203154.6	+2634.5	4031	8.7	204935.7	+2627.0	4121	9.1	211118.6	+2640.2	4211	9.1	212939.6	+2657.0
3942	9.5	203207.7	+2655.8	4032	9.5	205001.2	+2600.6	4122	9.5	211133.5	+2646.7	4212	9.5	212958.1	+2640.8</

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4230	9.0	213336.3	+2619.7	4320	9.1	215224.3	+2617.7	4410	6.5	221415.7	+2613.1	4500	9.5	223954.2	+2639.7
4231	9.3	213339.5	+2655.4	4321	9.1	215240.8	+2640.1	4411	9.3	221434.5	+2614.1	4501	9.5	224010.3	+2606.8
4232	8.6	213340.1	+2626.2	4322	9.5	215250.7	+2621.0	4412	9.4	221454.6	+2632.8	4502	9.0	224035.1	+2648.2
4233	9.3	213349.2	+2644.8	4323	7.7	215329.6	+2604.9	4413	9.5	221530.1	+2630.3	4503	9.5	224036.9	+2612.0
4234	9.5	213401.6	+2638.1	4324	8.8	215340.1	+2626.2	4414	9.4	221537.7	+2601.9	4504	9.5	224057.8	+2604.1
4235	9.5	213418.0	+2649.2	4325	9.4	215357.1	+2614.5	4415	8.8	221559.2	+2601.1	4505	9.5	224140.9	+2625.8
4236	9.4	213427.1	+2643.4	4326	9.5	215405.0	+2603.6	4416	9.5	221615.3	+2602.0	4506	9.5	224149.1	+2603.8
4237	7.1	213433.1	+2605.8	4327	9.0	215410.9	+2653.3	4417	8.5	221622.8	+2622.8	4507	8.8	224210.3	+2635.6
4238	9.5	213444.6	+2619.2	4328	7.8	215435.8	+2607.6	4418	9.4	221624.1	+2629.3	4508	9.1	224214.3	+2641.9
4239	9.5	213453.7	+2631.3	4329	9.2	215445.0	+2613.4	4419	9.0	221651.4	+2653.0	4509	9.4	224218.9	+2644.3
4240	9.5	213518.4	+2600.3	4330	9.5	215456.6	+2625.1	4420	8.5	221707.6	+2636.9	4510	9.4	224225.5	+2652.3
4241	9.5	213532.1	+2626.9	4331M	9.1	215512.1	+2630.7	4421	9.5	221723.5	+2600.4	4511	9.4	224241.1	+2649.1
4242	8.8	213546.4	+2610.1	4332	9.2	215522.0	+2631.7	4422	9.4	221726.9	+2639.0	4512	8.9	224250.2	+2649.4
4243	8.8	213612.0	+2627.5	4333	9.1	215525.4	+2608.8	4423	9.0	221729.1	+2628.0	4513	9.1	224258.4	+2641.6
4244	9.4	213614.5	+2604.9	4334	9.5	215555.3	+2643.5	4424	8.9	221737.2	+2653.4	4514	8.6	224346.3	+2624.1
4245	9.5	213621.1	+2646.9	4335	9.5	215604.6	+2634.7	4425	9.5	221740.0	+2649.9	4515	9.0	224409.1	+2647.8
4246	9.5	213622.0	+2647.5	4336	9.4	215606.0	+2610.0	4426	9.5	221758.3	+2633.7	4516	9.5	224422.1	+2607.9
4247	9.5	213647.8	+2607.9	4337	9.2	215606.8	+2659.7	4427	9.4	221812.6	+2609.7	4517	8.6	224422.1	+2640.0
4248	9.5	213648.3	+2651.0	4338	9.5	215608.1	+2623.4	4428	8.4	221823.3	+2630.4	4518	8.8	224435.9	+2635.5
4249	8.8	213702.1	+2640.6	4339	9.2	215616.8	+2654.7	4429	8.9	221828.9	+2655.3	4519	9.5	224502.5	+2615.5
4250	9.4	213724.6	+2601.3	4340	9.5	215627.0	+2642.6	4430	8.7	221855.4	+2650.6	4520	9.3	224505.6	+2622.7
4251	9.3	213729.5	+2645.3	4341	9.5	215632.3	+2652.4	4431	9.5	221901.0	+2659.6	4521	9.5	224514.6	+2651.0
4252	9.5	213733.2	+2610.0	4342	8.5	215700.1	+2614.9	4432	9.4	221918.8	+2653.2	4522	9.4	224528.1	+2618.2
4253	8.3	213745.0	+2624.0	4343	9.1	215705.3	+2632.4	4433	8.9	222006.7	+2607.9	4523	9.3	224542.4	+2601.3
4254	9.5	213812.1	+2647.3	4344	9.4	215732.3	+2653.6	4434	9.5	222012.6	+2637.0	4524	7.7	224613.5	+2613.7
4255	9.0	213835.5	+2605.4	4345	9.5	215756.7	+2614.8	4435	9.5	222039.9	+2601.7	4525	9.1	224615.1	+2634.1
4256	8.3	213848.3	+2641.9	4346	9.0	215811.4	+2658.9	4436	9.2	222102.1	+2605.7	4526	8.9	224622.1	+2623.0
4257	7.5	213850.4	+2619.4	4347	9.5	215939.3	+2649.2	4437	6.8	222125.7	+2616.9	4527	9.3	224633.6	+2657.6
4258	9.4	213859.0	+2651.4	4348	8.5	215942.8	+2614.5	4438	9.0	222156.1	+2657.7	4528	8.8	224656.2	+2613.8
4259	9.5	213906.6	+2628.5	4349	9.5	220022.1	+2652.6	4439	5.7	222223.5	+2601.8	4529	9.3	224729.1	+2627.9
4260	9.1	213911.7	+2621.6	4350	8.5	220025.3	+2620.4	4440	8.3	222233.9	+2641.4	4530	9.2	224735.4	+2656.9
4261	9.5	213929.1	+2655.5	4351	8.6	220041.2	+2659.2	4441	9.5	222315.3	+2631.1	4531	9.5	224812.8	+2620.0
4262	9.2	213939.6	+2623.7	4352	8.6	220122.3	+2618.4	4442	9.4	222317.1	+2659.3	4532	9.5	224844.0	+2622.9
4263	9.5	213946.4	+2629.6	4353	9.5	220137.1	+2642.7	4443	9.5	222317.9	+2609.3	4533	9.5	224854.4	+2614.9
4264	8.9	213959.5	+2639.7	4354	8.9	220147.9	+2648.0	4444	9.2	222331.3	+2606.9	4534	9.0	224930.2	+2624.1
4265	8.2	214000.6	+2605.3	4355	9.4	220230.4	+2603.8	4445	9.3	222338.5	+2601.3	4535	9.0	224956.9	+2651.0
4266	8.4	214017.8	+2633.9	4356	8.8	220238.2	+2653.3	4446	9.4	222339.6	+2629.7	4536	9.4	224919.6	+2622.6
4267	8.8	214017.8	+2638.0	4357	9.5	220248.1	+2638.6	4447	9.5	222350.8	+2658.8	4537	9.5	225023.9	+2615.1
4268	8.6	214027.1	+2658.7	4358	8.9	220250.3	+2603.8	4448	9.3	222354.9	+2604.6	4538	9.5	225137.8	+2606.5
4269	9.4	214056.3	+2610.0	4359	9.5	220348.3	+2613.9	4449	9.5	222355.5	+2610.6	4539	8.0	225157.0	+2643.4
4270	9.5	214110.5	+2605.4	4360	9.4	220415.2	+2634.0	4450	9.0	222443.8	+2624.2	4540	7.7	225200.7	+2658.1
4271	9.5	214138.5	+2655.7	4361	9.0	220421.5	+2635.7	4451	8.3	222512.1	+2629.0	4541	9.0	225209.2	+2637.5
4272	9.5	214143.7	+2613.7	4362	8.9	220426.1	+2645.1	4452	9.2	222536.8	+2655.0	4542	9.0	225211.2	+2612.8
4273	9.5	214218.5	+2604.8	4363	8.7	220428.3	+2623.2	4453	8.5	222540.7	+2621.4	4543	8.5	225317.3	+2648.5
4274	9.0	214220.4	+2659.9	4364	9.5	220444.6	+2603.2	4454	9.4	222602.9	+2622.4	4544	9.0	225322.4	+2602.2
4275	9.5	214244.1	+2628.6	4365	8.3	220455.5	+2632.7	4455	9.3	222617.0	+2624.2	4545	8.8	225330.5	+2617.9
4276	9.5	214309.6	+2654.9	4366	8.8	220459.9	+2649.8	4456	9.5	222655.7	+2644.5	4546	9.5	225335.7	+2638.8
4277	9.5	214320.7	+2634.3	4367	9.4	220504.6	+2617.9	4457	9.3	222700.1	+2640.3	4547	9.4	225348.6	+2609.3
4278	9.5	214335.8	+2622.6	4368	9.4	220507.6	+2609.4	4458	9.3	222716.3	+2650.3	4548	9.5	225406.4	+2620.3
4279	9.5	214354.9	+257.4	4369	9.4	220518.9	+2608.4	4459	8.8	222820.1	+2659.6	4549	9.0	225411.6	+2612.8
4280	9.5	214358.8	+249.6	4370	9.5	220530.5	+2651.5	4460	9.2	222851.4	+2638.9	4550	9.5	225423.4	+2602.6
4281	9.5	214410.6	+2631.5	4371	8.5	220542.6	+2629.9	4461	9.5	222855.6	+2649.0	4551	9.4	225445.9	+2639.3
4282	9.5	214457.9	+2617.5	4372	9.5	220555.1	+2651.8	4462	9.0	222900.8	+2635.6	4552	9.5	225455.8	+2605.0
4283	8.0	214502.0	+2602.6	4373	8.7	220556.6	+2612.8	4463	7.0	222933.7	+2621.8	4553	9.5	225513.5	+2655.6
4284	9.5	214527.9	+2658.1	4374	9.5	220600.1	+2651.0	4464	9.3	223000.1	+2645.2	4554	9.5	225542.5	+2607.0
4285	9.2	214543.6	+2635.8	4375	9.5	220623.0	+2605.8	4465	9.0	223004.7	+2653.1	4555	8.3	225602.6	+2655.0
4286	8.5	214553.5	+2604.2	4376	9.4	220623.1	+2640.2	4466	8.0	223046.1	+2640.0	4556	9.5	225635.6	+2631.7
4287	9.3	214610.4	+2627.0	4377	9.3	220624.1	+2624.2	4467	8.7	223049.0	+2645.9	4557	9.5	225655.7	+2611.6
4288	8.9	214616.9	+2631.2	4378	9.2	220631.6	+2626.5	4468	9.0	223112.2	+2628.0	4558	9.5	225728.3	+2628.6
4289	8.9	214622.7	+2651.6	4379	7.5	220633.8	+2626.4	4469	9.5	223133.6	+2602.5	4559	8.6	225733.1	+2653.4
4290	9.4	214637.2	+2652.8	4380	9.5	220653.1	+2627.1	4470	9.0	223150.1	+2657.0	4560	8.5	225819.6	+2612.3
4291	9.4	214637.6	+2615.3	4381	9.4	220655.2	+2609.9	4471	8.8	223201.7	+2638.2	4561	9.5	225826.7	+2603.8
4292	9.0	214643.9	+2639.0	4382	8.9	220704.9	+2624.8	4472	9.1	223202.4	+2649.3	4562	9.3	225943.6	+2648.9
4293	9.4	214704.7	+2647.4	4383	9.5	220719.7	+2612.9	4473	9.3	223215.8	+2629.7	4563	9.0	225951.9	+2627.8
4294	9.4	214706.5	+2620.8	4384	9.2	220733.9	+2651.0	4474	9.3	223229.2	+2628.7	4564	9.5	230022.4	+2630.3
4295	9.4	214710.6	+2609.0	4385	8.8	220752.6	+2619.6	4475	9.5	223236.0	+2622.4	4565	9.5	230023.5	+2604.7
4296	9.3	214748.0	+2647.9	4386	9.3	220825.6	+2632.0	4476	9.4	223247.3	+2627.3	4566	9.1	230041.1	+2636.8
4297	9.3	214813.1	+2611.0	4387	9.5	220832.7	+2653.1	4477	9.2	223258.6	+2610.7	4567	9.4	230047.1	+2610.0
4298	9.4	214820.9	+2641.9	4388	9.3	220841.9	+2614.9	4478	9.3	223316.7	+2603.0	4568	9.4	230052.7	+2644.0
4299	9.3	214826.8	+2658.4	4389	9.5	220843.5	+2622.1	4479	9.4	223321.1	+2656.8	4569	8.5	230144.5	+2657.9
4300	9.0	214833.3	+2607.3	4390	8.8	220849.7	+2615.6	4480	9.5	223327.6	+2604.1	4570	7.3	230206.5	+2607.9
4301	9.3	214835.3	+2653.4	4391	9.1	220954.1	+2613.8	4481	9.5	223355.6	+2635.3	4571	9.5	230314.6	+2631.3
4302	9.4	214847.2	+2619.1	4392	9.5	220954.9	+2632.4	4482	8						

+26 4590 23h09m

+25 202 1h07m

4590	8.0	230944.1	+2654.2	4679	8.4	233700.0	+2646.4	23	9.2	00830.6	+2501.8	113	9.5	03814.4	+2538.4
4591	9.5	231003.3	+2604.3	4680	9.3	233706.5	+2614.8	24	9.0	00839.0	+2538.0	114	9.4	03842.9	+2558.8
4592	9.5	231028.6	+2638.9	4681	9.5	233715.0	+2612.7	25	8.8	00850.9	+2517.8	115	8.8	03918.5	+2515.7
4593	9.1	231030.1	+2609.1	4682	9.5	233852.8	+2653.9	26	9.4	01011.1	+2540.1	116	8.9	03937.2	+2529.1
4594	9.4	231045.4	+2631.3	4683	9.5	233922.5	+2648.9	27	8.8	01013.9	+2546.6	117	8.6	03949.8	+2526.5
4595	9.5	231107.9	+2653.0	4684	9.3	233935.8	+2629.4	28	9.5	01040.0	+2509.1	118	7.0	04000.9	+2529.1
4596	7.3	231109.6	+2648.5	4685	8.4	233941.5	+2624.1	29	7.0	01059.8	+2521.1	119	9.2	04034.5	+2526.0
4597	8.4	231122.3	+2637.9	4686	9.5	234011.2	+2651.6	30	9.5	01109.5	+2500.1	120	9.1	04041.5	+2539.7
4598	9.0	231123.0	+2652.0	4687	8.5	234019.4	+2622.1	31	9.5	01122.9	+2533.2	121	9.4	04059.4	+2504.2
4599	6.8	231123.6	+2648.9	4688	9.4	234019.9	+2617.2	32	9.5	01128.4	+2558.4	122	9.2	04128.4	+2550.0
4600	9.3	231130.5	+2645.2	4689	9.4	234025.2	+2648.8	33	9.2	01146.5	+2512.5	123	8.8	04131.9	+2534.0
4601	9.5	231140.1	+2602.9	4690	9.5	234029.8	+2608.2	34	7.3	01150.5	+2539.7	124	9.0	04323.8	+2540.1
4602	9.3	231148.1	+2601.3	4691	7.8	234054.1	+2654.9	35	9.5	01253.2	+2504.6	125	9.3	04331.9	+2555.5
4603	9.5	231219.0	+2618.6	4692	8.5	234110.6	+2620.0	36	9.5	01311.1	+2524.5	126	9.3	04333.5	+2551.8
4604	8.0	231235.5	+2642.7	4693	9.4	234122.2	+2656.8	37	8.0	01313.8	+2541.1	127	9.5	04425.8	+2505.8
4605	9.5	231254.6	+2623.4	4694	8.7	234157.3	+2652.5	38	9.5	01333.5	+2550.7	128	9.5	04426.4	+2528.3
4606	9.2	231338.0	+2657.8	4695	7.4	234200.7	+2613.6	39	9.5	01352.9	+2542.1	129	9.5	04429.6	+2509.3
4607	9.5	231340.0	+2636.2	4696	9.5	234210.4	+2635.2	40	9.5	01419.2	+2558.3	130	9.3	04439.8	+2547.9
4608	9.0	231344.6	+2653.9	4697	9.4	234222.5	+2631.7	41	9.5	01458.4	+2533.1	131	8.0	04444.3	+2546.9
4609	9.4	231347.8	+2623.9	4698	7.1	234231.6	+2652.8	42	9.5	01541.1	+2541.0	132	9.5	04547.1	+2502.8
4610	9.5	231354.4	+2608.3	4699	9.3	234237.4	+2653.3	43	9.5	01549.5	+2532.5	133	9.4	04614.8	+2514.0
4611	9.5	231355.3	+2626.9	4700	9.2	234259.7	+2647.6	44	9.5	01556.2	+2524.6	134	9.1	04724.8	+2547.0
4612	9.2	231356.0	+2652.5	4701	9.5	234316.1	+2652.2	45	9.5	01611.9	+2555.8	135	8.5	04746.1	+2535.9
4613	9.3	231359.2	+2645.8	4702	9.3	234327.3	+2650.4	46	8.4	01650.0	+2535.5	136	8.0	04856.9	+2533.3
4614	9.1	231431.4	+2658.4	4703	9.5	234348.2	+2622.4	47	9.5	01719.1	+2529.7	137	9.5	04913.2	+2555.4
4615	9.5	231439.3	+2627.3	4704	9.5	234355.2	+2609.1	48	9.5	01731.2	+2538.6	138	9.5	04923.1	+2547.7
4616	9.2	231441.5	+2605.2	4705	9.5	234359.7	+2602.9	49	9.5	01754.5	+2520.0	139	9.4	04951.1	+2515.6
4617	8.5	231541.4	+2646.8	4706	9.3	234403.3	+2633.9	50	9.5	01756.3	+2548.0	140	9.4	04952.4	+2553.3
4618	9.5	231651.2	+2609.7	4707	8.2	234408.5	+2631.3	51	9.5	01814.9	+2508.6	141	9.4	05010.6	+2528.7
4619	9.5	231652.8	+2646.9	4708	9.5	234632.3	+2658.5	52	8.8	01838.6	+2504.3	142	9.5	05049.0	+2507.1
4620	9.5	231736.5	+2638.5	4709	9.5	234810.4	+2609.4	53	9.5	01907.1	+2515.0	143	9.4	05118.8	+2507.8
4621	9.1	231737.7	+2623.4	4710	9.5	234826.5	+2637.7	54	9.5	01914.8	+2554.7	144	9.3	05147.5	+2520.3
4622	8.7	231752.6	+2607.5	4711	9.5	234827.8	+2622.1	55	7.5	01950.8	+2529.3	145	9.5	05222.7	+2532.2
4623	9.5	231755.0	+2609.0	4712	9.5	234915.9	+2629.4	56	9.2	01956.2	+2536.6	146	9.5	05227.7	+2556.2
4624	9.5	231757.8	+2630.0	4713	8.8	234938.2	+2601.3	57	9.2	01957.1	+2543.1	147	8.5	05237.3	+2537.9
4625	8.8	231759.1	+2618.5	4714	7.2	234939.3	+2646.2	58	9.0	02052.4	+2543.5	148	8.8	05302.4	+2522.7
4626	9.3	231839.7	+2658.4	4715	9.0	234941.2	+2657.9	59	9.5	02059.1	+2519.4	149	9.4	05310.4	+2507.8
4627	8.6	231849.7	+2653.4	4716	9.0	234951.9	+2635.9	60	9.5	02129.3	+2507.7	150	8.2	05320.9	+2541.5
4628	7.6	231856.6	+2654.6	4717	8.7	234956.7	+2655.8	61	7.9	02149.5	+2542.4	151	9.4	05342.0	+2544.5
4629	9.5	231925.2	+2602.6	4718	9.3	235007.3	+2606.8	62	9.5	02243.6	+2506.4	152	9.5	05343.5	+2511.6
4630	9.5	231932.9	+2613.2	4719	9.3	235011.2	+2603.4	63	9.5	02313.1	+2508.8	153	9.5	05407.7	+2533.2
4631	9.4	231942.7	+2645.8	4720	9.3	235129.9	+2651.0	64	9.5	02327.8	+2522.2	154	9.2	05441.8	+2558.8
4632	9.3	231944.9	+2623.0	4721	8.1	235153.8	+2627.9	65	9.0	02341.5	+2540.5	155	9.2	05454.9	+2552.1
4633	9.5	232022.2	+2603.8	4722	8.7	235225.8	+2608.2	66	9.5	02415.0	+2527.5	156	7.0	05503.4	+2532.1
4634	9.5	232119.6	+2658.9	4723	9.5	235234.3	+2623.9	67	8.9	02440.8	+2500.7	157	9.5	05502.2	+2542.2
4635	9.0	232125.5	+2625.6	4724	9.5	235257.1	+2632.8	68	9.4	02458.2	+2512.6	158	8.0	05544.6	+2531.9
4636	8.8	232130.8	+2626.6	4725	9.4	235258.5	+2637.3	69	9.5	02515.9	+2542.8	159	9.5	05564.0	+2516.1
4637	9.5	232148.7	+2602.2	4726	9.5	235300.5	+2637.8	70	9.5	02557.6	+2532.0	160	8.6	05633.7	+2547.8
4638	9.1	232213.5	+2652.6	4727	6.5	235301.0	+2607.3	71	9.5	02612.4	+2513.0	161	8.5	05677.3	+2549.4
4639	9.5	232218.0	+2627.1	4728	9.5	235323.2	+2644.5	72	9.5	02613.8	+2527.3	162	9.4	05689.9	+2520.8
4640	9.5	232245.8	+2601.1	4729	9.5	235325.3	+2649.0	73	9.5	02619.5	+2555.8	163	9.4	05689.9	+2520.8
4641	9.4	232333.1	+2607.9	4730	9.1	235328.9	+2636.6	74	9.5	02626.5	+2556.1	164	9.1	05714.7	+2527.3
4642	8.9	232344.6	+2659.0	4731	9.5	235349.3	+2647.2	75	9.5	02648.9	+2503.3	165	8.3	05821.0	+2556.9
4643	9.3	232347.7	+2655.3	4732	9.5	235419.5	+2602.5	76	9.5	02654.6	+2556.6	166	9.3	05843.3	+2535.1
4644	9.5	232427.2	+2625.1	4733	9.5	235421.8	+2651.0	77	9.0	02705.5	+2515.3	167	9.5	05941.0	+2501.0
4644a	9.5	232436.5	+2634.4	4734	6.1	235436.3	+2618.8	78	8.1	02717.1	+2539.4	168	9.5	05941.5	+2507.6
4645	9.5	232450.4	+2610.0	4735	9.0	235438.3	+2618.7	79	9.5	02719.4	+2549.5	169	9.1	10002.9	+2514.7
4646	9.4	232532.5	+2647.5	4736	9.5	235447.0	+2624.2	80	9.5	02827.2	+2525.6	170	8.9	10030.8	+2508.0
4647	9.5	232535.8	+2619.4	4737	9.5	235559.3	+2653.8	81	8.8	02842.2	+2521.5	171	9.1	10034.7	+2532.2
4648	9.4	232544.1	+2615.4	4738	9.3	235620.8	+2642.8	82	9.5	02909.3	+2554.9	172	9.5	10053.4	+2527.8
4649	9.5	232611.3	+2625.3	4739	8.9	235645.5	+2612.2	83	9.4	02915.0	+2539.7	173	9.1	10059.0	+2548.4
4650	9.5	232616.3	+2650.5	4740	9.0	235648.4	+2653.4	84	8.8	02917.3	+2522.5	174	9.5	10121.8	+2545.6
4651	9.5	232632.8	+2641.6	4741	9.1	235651.4	+2609.4	85	9.2	02921.4	+2502.2	175	9.5	10122.2	+2526.8
4652	9.3	232719.2	+2615.5	4742	9.5	235701.0	+2647.1	86	9.5	02925.6	+2519.7	176	9.5	10146.3	+2552.8
4653	9.4	232750.1	+2617.0	4743	9.3	235725.8	+2622.0	87	8.3	03006.6	+2518.8	177	9.5	10156.0	+2507.1
4654	9.5	232750.5	+2652.6	4744	6.8	235734.0	+2652.0	88	9.0	03007.5	+2518.0	178	9.5	10159.2	+2525.8
4655	9.3	232753.2	+2643.7	4745	9.5	235807.5	+2647.7	89	8.5	03008.9	+2531.1	179	9.5	10159.3	+2539.4
4656	9.5	232805.1	+2609.0	4746	9.1	235902.8	+2615.2	90	8.1	03012.9	+2502.3	180	9.2	10242.1	+2524.8
4657	9.3	232828.5	+2621.0	1	9.4	00028.4	+2508.7	91	8.8	03042.1	+2538.3	181	9.5	10249.5	+2533.5
4658	9.3	232831.9	+2638.3	2	9.3	00043.8	+2536.5	92	6.5	03119.8	+2531.8	182	9.5	10255.2	+2502.0
4659	9.5	232840.5	+2627.2	3	9.5	00104.8	+2529.1	93	8.6	03148.7	+2555.6	183	9.5	10312.9	+2554.2
4660	9.0	232854.1	+2653.1	4	9.5	00111.5	+2516.0	94	9.5	03215.8	+2552.8	184	9.5	10325.0	+2533.6
4661	9.3	232855.1	+2659.5	5	9.3	00121.9	+2528.0	95	9.4	03221.0	+2514.3	185	8.7	10325.4	+2504.4
4662	9.4	232931.7	+2600.7	6	9.3	00125.8	+2512.5	96	7.8	03237.0	+2552.6	186	9.5	10423.2	+2524.7
4663	8.8	232938.9	+2606.4	7	8.7	00144.2	+2513.9	97	8.8	03345.1	+2506.0	187	9.5	10425.4	+2556.1
4664	9.5	233027.6	+2614.5	8	9.5	00147.9</									

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203	9.5	10738.5	+2547.2	293	8.4	13743.1	+2540.0	383	9.5	21225.1	+2555.5	473	9.3	25044.5	+2551.8
204	9.5	10758.5	+2554.2	294	9.5	13827.1	+2513.5	384	8.9	21318.8	+2525.4	474	9.5	25130.1	+2534.8
205	7.0	10811.8	+2500.2	295	7.3	13840.2	+2511.4	385	8.9	21320.7	+2551.0	475	9.5	25307.5	+2513.3
206	9.2	10844.9	+2540.6	296	9.5	13847.0	+2505.3	386	9.4	21332.5	+2525.0	476	9.5	25322.5	+2527.1
207	9.1	10853.2	+2516.2	297	7.0	13857.1	+2526.2	387	8.8	21356.7	+2530.2	477	5.8	25322.8	+2554.0
208	9.5	10916.9	+2547.4	298	9.0	13906.8	+2541.7	388	8.7	21357.5	+2536.4	478	9.5	25340.8	+2529.2
209	9.4	10922.9	+2529.0	299	9.5	13907.9	+2556.0	389	9.0	21358.0	+2534.6	479	9.1	25440.8	+2529.2
210	9.0	10927.2	+2531.5	300	9.5	13935.9	+2523.4	390	9.5	21407.4	+2550.2	480	9.4	25515.5	+2542.7
211	7.7	11014.3	+2541.6	301	9.5	13942.7	+2553.5	391	9.4	21453.6	+2510.8	481	9.5	25524.9	+2558.8
212	8.4	11022.9	+2520.3	302	9.5	14007.8	+2511.4	392	9.0	21501.8	+2510.5	482	9.5	25604.6	+2507.8
213	8.8	11026.8	+2558.5	303	8.4	14009.1	+2532.4	393	9.1	21507.5	+2543.3	483	9.5	25637.8	+2528.9
214	9.3	11105.3	+2507.9	304	9.4	14043.7	+2546.9	394	8.8	21642.5	+2532.6	484	8.4	25659.1	+2518.1
215	9.5	11130.6	+2510.2	305	6.5	14120.6	+2545.8	395	9.0	21645.7	+2545.5	485	9.0	25700.5	+2539.2
216	9.0	11216.1	+2515.5	306	9.3	14121.0	+2526.9	396	9.1	21728.8	+2554.7	486	9.4	25701.3	+2545.5
217	9.5	11225.8	+2540.4	307	8.2	14148.5	+2501.0	397	9.1	21744.3	+2505.5	487	8.9	25739.2	+2527.1
218	9.5	11229.6	+2535.2	308	8.7	14149.4	+2506.5	398	7.5	21837.9	+2523.6	488	9.5	25753.9	+2559.7
219	9.2	11242.5	+2525.7	309	9.5	14235.1	+2557.5	399	9.5	21857.1	+2535.4	489	9.5	25825.5	+2524.7
220	9.3	11251.5	+2543.7	310	9.5	14238.6	+2548.9	400	9.3	21921.0	+2539.1	490	9.2	25830.0	+2556.8
221	9.4	11252.8	+2537.6	311	7.7	14251.8	+2507.6	401	9.4	21922.0	+2550.5	491	9.5	25848.6	+2509.9
222	9.2	11314.6	+2542.8	312	9.0	14254.5	+2531.7	402	9.5	21935.2	+2521.0	492	9.4	25842.4	+2517.1
223	9.5	11327.4	+2528.3	313	8.9	14310.1	+2531.7	403	9.5	21940.6	+2540.2	493	9.1	25901.5	+2522.4
224	8.7	11400.3	+2548.7	314	8.0	14405.5	+2528.0	404	9.2	21949.5	+2511.4	494	9.3	25923.4	+2529.1
225	9.5	11408.2	+2522.9	315	9.5	14425.9	+2555.6	405	9.5	21950.1	+2520.0	495	7.9	25953.8	+2548.1
226	9.0	11414.7	+2542.6	316	8.6	14432.3	+2546.0	406	9.1	22011.7	+2554.9	496	8.5	25954.5	+2524.6
227	9.0	11424.1	+2551.0	317	7.0	14505.8	+2518.2	407	9.5	22036.8	+2508.8	497	8.0	30009.8	+2501.8
228	8.1	11439.9	+2548.6	318	9.4	14510.5	+2501.0	408	9.5	22115.5	+2537.1	498	9.5	30020.9	+2542.0
229	9.5	11454.0	+2554.8	319	7.5	14547.2	+2504.0	409	9.5	22139.6	+2537.3	499	9.5	30024.4	+2548.5
230	9.5	11501.8	+2551.0	320	9.4	14659.8	+2538.2	410	9.5	22150.9	+2553.5	500	8.8	30100.2	+2544.0
231	9.5	11545.9	+2518.0	321	9.5	14701.4	+2518.3	411	9.3	22228.5	+2549.5	501	9.3	30120.6	+2522.3
232	8.2	11553.6	+2509.3	322	9.5	14719.0	+2528.0	412	9.2	22231.9	+2507.0	502	9.1	30142.7	+2531.2
233	9.2	11555.2	+2523.3	323	8.0	14724.2	+2524.3	413	9.5	22246.3	+2544.5	503	9.2	30145.5	+2546.0
234	8.9	11616.5	+2557.0	324	9.5	14737.3	+2559.2	414	9.4	22303.9	+2538.3	504	9.5	30222.9	+2552.0
235	9.4	11633.2	+2542.8	325	9.5	14754.7	+2547.5	415	9.5	22339.8	+2546.5	505	9.5	30241.0	+2536.0
236	9.4	11640.7	+2500.1	326	9.5	14807.9	+2504.8	416	9.1	22350.4	+2556.6	506	9.5	30248.3	+2520.6
237	9.5	11700.4	+2512.3	327	9.5	14901.0	+2510.3	417	9.0	22403.2	+2536.5	507	9.1	30320.8	+2517.1
238	8.5	11705.7	+2546.6	328	9.0	14902.8	+2508.1	418	9.5	22415.3	+2554.0	508	9.5	30324.9	+2505.3
239	9.5	11735.8	+2534.0	329	9.0	14904.1	+2534.8	419	9.4	22427.2	+2529.5	509	9.5	30325.7	+2501.9
240	9.0	11751.0	+2525.8	330	9.5	14907.2	+2553.5	420	8.8	22441.8	+2537.7	510	8.3	30446.5	+2551.3
241	9.5	11800.3	+2522.2	331	9.5	14945.3	+2535.8	421	9.5	22444.6	+2541.5	511	9.5	30532.8	+2535.7
242	9.5	11801.7	+2526.2	332	8.7	14949.4	+2547.1	422	9.5	22621.9	+2502.8	512	9.5	30558.6	+2508.2
243	9.3	11805.9	+2530.5	333	8.6	15013.5	+2504.7	423	8.7	22707.2	+2547.6	513	9.3	30610.5	+2551.4
244	9.4	11813.0	+2537.6	334	9.0	15019.0	+2532.7	424	9.5	22738.8	+2536.7	514	9.5	30612.3	+2507.0
245	9.5	11834.8	+2553.8	335	9.5	15123.7	+2553.1	425	9.5	22809.8	+2543.6	515	8.0	30639.0	+2556.8
246	8.1	11854.9	+2545.2	336	9.4	15322.8	+2536.5	426	8.8	22918.0	+2550.3	516	9.5	30738.9	+2503.8
247	9.1	11923.4	+2502.6	337	8.9	15349.0	+2532.0	427	9.5	22926.1	+2508.9	517	8.3	30756.5	+2540.5
248	9.5	11950.1	+2531.0	338	9.5	15422.0	+2530.1	428	8.6	22933.5	+2534.0	518	9.4	30808.8	+2522.0
249	9.5	12011.0	+2541.3	339	8.5	15454.1	+2522.8	429	9.5	23006.8	+2545.3	519	9.5	30821.4	+2519.9
250	9.5	12011.8	+2550.7	340	8.0	15514.2	+2548.9	430	8.8	23012.1	+2536.4	520	9.5	30822.4	+2525.9
251	9.5	12042.8	+2550.4	341	6.0	15526.6	+2514.0	431	8.9	23019.0	+2554.0	521	8.1	30826.6	+2502.9
252	9.5	12047.8	+2538.6	342	9.4	15557.1	+2552.2	432	8.7	23057.5	+2514.7	522	9.5	30843.5	+2547.4
253	9.5	12058.2	+2500.5	343	7.2	15609.0	+2513.8	433	9.1	23110.8	+2521.2	523	9.5	30852.8	+2516.7
254	9.5	12103.3	+2552.3	344	8.5	15623.9	+2534.3	434	9.1	23136.0	+2549.4	524	9.5	30857.4	+2529.3
255	9.5	12124.1	+2525.2	345	9.5	15626.0	+2517.1	435	9.5	23209.8	+2516.4	525	9.5	30912.7	+2550.8
256	8.2	12229.5	+2559.4	346	9.2	15718.5	+2528.8	436	8.0	23217.2	+2559.9	526	9.3	30920.9	+2501.5
257	8.0	12239.6	+2536.0	347	9.1	15810.9	+2519.2	437	8.5	23338.3	+2514.1	527	9.4	30926.7	+2525.2
258	7.0	12239.8	+2508.7	348	7.4	15831.3	+2508.6	438	8.7	23402.0	+2553.2	528	9.2	30940.9	+2553.0
259	8.3	12249.9	+2544.5	349	6.5	15838.0	+2500.3	439	9.4	23409.4	+2508.1	529	9.3	30946.3	+2522.2
260	9.5	12309.9	+2558.0	350	7.6	15841.2	+2537.7	440	9.5	23436.6	+2528.8	530	9.4	31003.7	+2549.5
261	9.5	12353.4	+2554.5	351	9.5	15927.3	+2524.7	441	6.7	23526.4	+2501.8	531	9.2	31011.6	+2545.4
262	9.5	12452.3	+2518.0	352	9.1	15943.7	+2535.3	442	9.5	23541.5	+2530.2	532	9.2	31024.7	+2556.6
263	8.6	12452.7	+2552.5	353	9.5	15958.7	+2548.8	443	9.5	23618.8	+2554.7	533	9.4	31104.1	+2535.1
264	9.0	12549.2	+2545.4	354	8.5	20103.0	+2515.3	444	9.3	23630.1	+2537.1	534	9.2	31120.7	+2505.0
265	7.4	12723.1	+2556.0	355	5.0	20111.2	+2515.9	445	9.5	23639.5	+2514.8	535	9.4	31136.2	+2510.5
266	9.5	12823.2	+2508.6	356	9.1	20130.2	+2541.6	446	9.4	23701.0	+2554.5	536	6.5	31149.9	+2508.2
267	9.0	12832.8	+2518.0	357	8.7	20135.4	+2548.9	447	9.5	23727.5	+2534.4	537	9.1	31319.0	+2534.3
268	9.3	12900.6	+2554.1	358	8.8	20136.5	+2530.9	448	9.5	23738.2	+2552.2	538	9.5	31345.4	+2503.7
269	8.0	12952.5	+2509.9	359	9.4	20238.6	+2502.7	449	8.0	23746.5	+2503.3	539	9.4	31454.2	+2522.3
270	9.4	12954.4	+2503.2	360	9.5	20242.2	+2540.2	450	9.5	23856.3	+2520.6	540	9.3	31511.9	+2533.7
271	8.7	13044.6	+2542.0	361	9.4	20250.0	+2510.2	451	9.5	23918.8	+2551.3	541	9.5	31532.0	+2531.5
272	8.7	13045.1	+2554.1	362	6.8	20257.9	+2514.4	452	8.6	24013.8	+2532.7	542	9.5	31635.4	+2517.6
273	9.5	13112.9	+2531.0	363	8.3	20313.0	+2525.1	453	9.5	24018.0	+2503.9	543	9.0	31647.3	+2527.3
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923	9.4	53259.7	+2513.5	1013	8.9	54340.3	+2553.4	1103	9.5	55526.7	+2511.3	1193	9.5	60816.2	+2505.4
924	9.5	53314.5	+2517.9	1014	8.8	54341.0	+2515.1	1104	9.5	55538.2	+2557.8	1194	9.5	60823.9	+2559.9
925	9.5	53316.7	+2546.8	1015	9.3	54400.1	+2543.3	1105	8.5	55545.4	+2510.9	1195	9.5	60827.1	+2505.4
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929	9.5	53327.8	+2527.8	1019	8.5	54432.5	+2542.3	1109	8.3	55608.5	+2557.5	1199	9.4	60911.0	+2545.0
930	9.4	53344.4	+2548.3	1020	7.3	54434.4	+2502.2	1110	9.3	55613.0	+2504.7	1200	9.3	60912.3	+2541.2
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937	9.5	53422.0	+2506.5	1027	9.3	54557.1	+2503.7	1117	9.5	55726.5	+2550.5	1207	8.0	60946.7	+2524.0
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988	9.5	53932.8	+2518.0	1078	9.5	55235.5	+2504.8	1168	9.5	60456.4	+2533.3	1258	9.5	61605.3	+2504.7
989	9.2	53934.9	+2502.6	1079	8.9	55237.0	+2528.5	1169	9.5	60459.5	+2550.9	1259	9.4	61605.6	+2558.2
990	9.4	54000.1	+2515.6	1080	9.4	55247.0	+2535.4	1170	9.5	60526.9	+2525.5	1260	9.4	61615.6	+2544.5
991	7.6	54008.7	+2535.3	1081	9.5	55251.1	+2537.4	1171	9.5	60535.4	+2515.2	1261	9.5	61615.9	+2544.5
992	9.5	54012.3	+2502.1	1082	9.3	55305.6	+2547.1	1172	9.5	60539.1	+2525.5	1262	9.5	61618.0	+2545.0
993	9.3	54024.5	+2512.8	1083	9.4	55310.0	+2511.5	1173	9.5	60543.0	+2520.6	1263	9.2	61618.4	+2552.5
994	9.5	54029.4	+2527.1	1084	9.3	55310.0	+2550.8	1174	8.2	60551.3	+2516.8	1264	9.5	61641.0	+2520.8
995	9.2	54038.2	+2538.9	1085	9.5	55312.2	+2559.3	1175	9.5	60606.0	+2514.7	1265	9.4	61641.5	+2520.1
996	9.5	54048.6	+2526.3	1086	9.5	55330.3	+2508.0	1176	9.2	60610.3	+2507.1	1266	9.3	61642.6	+2509.7
997	9.3	54102.0	+2520.7	1087	9.3	55345.7	+2545.7	1177	9.1	60611.1	+2530.2	1267			

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1660	5.0	71438.0	+2519.5	1750	9.1	73547.8	+2551.7	1840	9.3	75659.5	+2506.3	1930	9.4	82029.5	+2534.0
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1666	9.5	71621.6	+2503.4	1756	9.5	73723.2	+2516.7	1846	9.0	75744.2	+2523.2	1936	9.1	82244.2	+2555.8
1667	9.5	71625.8	+2544.5	1757	9.5	73755.3	+2546.0	1847	9.5	75756.5	+2505.1	1937	8.8	82250.6	+2528.0
1668	9.3	71641.7	+2531.5	1758	9.5	73758.7	+2515.7	1848	9.2	75809.8	+2555.9	1938	9.3	82324.2	+2543.5
1669	8.6	71650.8	+2516.0	1759	9.3	73822.2	+2512.2	1849	9.5	75823.7	+2553.2	1939	9.5	82325.6	+2551.1
1670	9.3	71655.6	+2506.9	1760	9.4	73827.0	+2528.1	1850	9.4	75852.6	+2505.1	1940	9.4	82332.3	+2502.1
1671	9.5	71747.8	+2515.7	1761	9.3	73828.3	+2506.3	1851	9.1	75857.2	+2508.3	1941	9.4	82344.0	+2557.9
1672	9.5	71749.6	+2551.3	1762	9.0	73841.4	+2507.7	1852	9.5	75917.2	+2518.8	1942	8.5	82353.3	+2533.2
1673	9.5	71810.9	+2525.7	1763	8.8	73844.0	+2548.5	1853	8.7	75922.6	+2507.8	1943	9.5	82356.4	+2527.3
1674	9.4	71820.2	+2548.1	1764	9.0	73908.8	+2527.0	1854	8.1	75935.2	+2557.8	1944	8.9	82412.2	+2549.0
1675	9.3	71902.2	+2501.3	1765	9.5	73923.5	+2543.9	1855	9.2	75938.7	+2507.3	1945	9.5	82441.4	+2513.2
1676	9.4	71906.8	+2520.0	1766	9.5	74017.3	+2552.6	1856	9.5	75957.2	+2531.0	1946	9.5	82443.9	+2547.3
1677	8.2	71912.5	+2519.0	1767	9.5	74019.6	+2509.5	1857	9.3	80005.0	+2543.5	1947	9.4	82509.2	+2556.2
1678	9.2	71912.6	+2541.1	1768	8.5	74043.2	+2526.8	1858	9.1	80011.2	+2503.2	1948	9.3	82509.9	+2515.3
1679	9.5	71924.6	+2504.8	1769	9.5	74109.8	+2546.7	1859	9.5	80034.3	+2537.2	1949	9.3	82516.8	+2537.0
1680	9.1	71939.7	+2515.7	1770	9.5	74128.0	+2545.6	1860	8.0	80043.0	+2513.4	1950	8.0	82529.2	+2545.4
1681	9.5	71944.3	+2525.1	1771	9.5	74147.2	+2512.2	1861	9.1	80043.5	+2500.6	1951	8.7	82533.1	+2505.4
1682	9.2	71949.2	+2533.6	1772	9.5	74152.8	+2549.4	1862	9.3	80050.3	+2501.5	1952	9.3	82550.1	+2501.1
1683	8.4	72002.8	+2533.2	1773	8.2	74210.7	+2527.7	1863	9.5	80052.0	+2506.5	1953	9.5	82610.0	+2533.9
1684	9.5	72021.9	+2549.5	1774	9.5	74211.5	+2550.5	1864	8.0	80058.8	+2558.7	1954	9.4	82705.3	+2504.7
1685	9.5	72054.3	+2527.1	1775	9.3	74228.7	+2518.8	1865	6.1	80144.5	+2556.2	1955	9.4	82710.6	+2514.3
1686	9.5	72055.6	+2513.1	1776	9.5	74235.3	+2556.5	1866	9.2	80152.3	+2508.2	1956	9.4	82717.7	+2555.7
1687	9.5	72124.3	+2530.0	1777	9.5	74259.0	+2558.1	1867	9.4	80159.2	+2505.7	1957	9.5	82739.9	+2541.4
1688	9.5	72125.6	+2522.5	1778	8.0	74302.5	+2511.9	1868	9.2	80223.8	+2528.0	1958	9.0	82831.5	+2534.9
1689	8.3	72183.0	+2544.3	1779	9.0	74302.5	+2514.0	1869	9.3	80237.0	+2533.7	1959	8.8	82833.8	+2545.9
1690	8.8	72205.0	+2531.8	1780	9.4	74310.8	+2523.8	1870	9.2	80240.4	+2531.2	1960	9.5	82840.6	+2503.8
1691	8.6	72249.5	+2527.6	1781	9.2	74317.8	+2529.6	1871	9.0	80308.1	+2526.7	1961	9.1	82916.9	+2510.7
1692	9.2	72272.2	+2557.3	1782	9.5	74327.7	+2511.9	1872	8.7	80322.3	+2537.0	1962	9.5	82951.0	+2502.0
1693	9.5	7228.5	+2505.4	1783	9.0	74435.2	+2550.1	1873	9.5	80351.6	+2515.6	1963	9.5	83005.6	+2508.4
1694	9.4	7228.8	+2542.0	1784	9.1	74447.5	+2540.8	1874	9.5	80420.1	+2523.9	1964	9.4	83013.7	+2510.9
1695	9.3	7229.1	+2534.4	1785	9.1	74502.9	+2505.7	1875	9.0	80420.3	+2545.3	1965	8.9	83031.8	+2523.8
1696	9.3	7226.4	+2550.3	1786	9.0	74506.3	+2509.5	1876	9.3	80421.9	+2537.4	1966	8.6	83034.2	+2527.6
1697	9.3	72247.7	+2540.0	1787	9.4	74523.8	+2556.3	1877	9.3	80444.6	+2545.0	1967	9.4	83037.0	+2515.9
1698	9.5	72334.8	+2539.5	1788	8.8	74549.2	+2534.0	1878	8.8	80454.5	+2508.7	1968	9.4	83044.2	+2516.9
1699	9.4	72335.8	+2542.7	1789	9.5	74603.2	+2551.5	1879	9.4	80527.0	+2500.9	1969	8.5	83101.9	+2507.6
1700	9.5	72353.2	+2516.6	1790	9.3	74619.0	+2550.1	1880	8.4	80603.6	+2510.0	1970	9.5	83133.2	+2520.4
1701	9.3	72414.8	+2542.1	1791	9.1	74619.3	+2533.7	1881	9.3	80613.1	+2556.0	1971	9.5	83149.5	+2532.5
1702	9.5	72423.9	+2503.1	1792	9.5	74642.2	+2507.3	1882	9.3	80616.3	+2516.3	1972	9.5	83303.1	+2558.4
1703	9.5	72439.7	+2532.9	1793	9.5	74712.4	+2509.9	1883	9.5	80630.1	+2507.0	1773	8.9	83330.2	+2531.1
1704	8.7	72450.5	+2542.2	1794	7.5	74717.0	+2502.7	1884	9.4	80643.3	+2535.0	1774	8.7	83348.7	+2533.5
1705	9.4	72507.6	+2503.8	1795	9.5	74748.3	+2504.0	1885	9.5	80705.0	+2500.3	1775	9.5	83428.5	+2547.6
1706	9.0	72513.6	+2509.3	1796	9.3	74814.4	+2501.4	1886	9.2	80709.2	+2533.8	1776	9.5	83443.3	+2518.8
1707	9.3	72534.3	+2533.1	1797	9.1	74830.0	+2520.5	1887	9.3	80711.3	+2545.3	1777	8.9	83511.2	+2532.6
1708	9.0	72550.3	+2508.4	1798	9.2	74830.3	+2552.4	1888	8.7	80736.7	+2508.7	1778	9.5	83525.7	+2524.9
1709	8.0	72559.7	+2514.6	1799	9.5	74918.2	+2509.6	1889	9.5	80802.5	+2557.3	1779	9.3	83532.6	+2538.6
1710	9.5	72610.3	+2555.4	1800	9.4	74924.5	+2546.7	1890	9.1	80830.1	+2513.9	1780	9.5	83541.2	+2535.9
1711	8.5	72625.1	+2552.6	1801	9.4	74934.1	+2530.8	1891	8.8	80836.8	+2506.8	1781	9.0	83554.2	+2519.4
1712	9.5	72630.5	+2531.4	1802	9.4	75005.7	+2512.5	1892	7.3	80855.3	+2516.5	1782	8.9	83709.6	+2517.3
1713	8.2	72707.2	+2511.2	1803	9.3	75021.8	+2512.5	1893	8.2	80902.6	+2553.5	1783	7.8	83729.2	+2553.5
1714	9.2	72730.9	+2535.3	1804	9.5	75031.0	+2550.1	1894	9.3	80909.7	+2542.5	1784	9.2	83734.2	+2550.1
1715	9.4	72800.9	+2512.2	1805	8.5	75043.3	+2519.1	1895	9.5	80925.2	+2523.5	1785	9.5	83826.7	+2533.9
1716	8.5	72806.8	+2511.7	1806	8.8	75112.2	+2523.9	1896	8.9	80933.9	+2551.9	1786	9.4	83842.3	+2528.0
1717	9.3	72816.8	+2545.3	1807	9.4										

*25 2003 8h43m

*25 2360 11h09m

2003	8.3	84337.1	+2541.4	2092	9.4	91648.3	+2549.3	2182	8.6	94807.7	+2519.6	2272	9.1	102922.3	+2520.2
2004	9.3	84359.1	+2558.0	2093	8.3	91649.9	+2522.5	2183	8.6	94809.2	+2524.4	2273	9.1	102924.2	+2519.6
2005	9.4	84402.1	+2559.7	2094	9.0	91700.8	+2508.1	2184	8.5	94831.0	+2544.6	2274	9.0	102928.0	+2502.7
2006	9.3	84402.4	+2549.6	2095	9.0	91706.5	+2544.8	2185	8.4	94841.2	+2539.3	2275	9.2	102928.9	+2540.2
2007	9.2	84430.0	+2526.7	2096	9.5	91805.0	+2530.0	2186	8.0	94905.9	+2529.3	2276	9.4	102958.4	+2532.5
2008	9.2	84431.6	+2536.5	2097	9.5	91836.3	+2503.1	2187	9.5	94913.3	+2553.1	2277	9.0	103005.7	+2545.1
2009	9.0	84618.9	+2534.9	2098	9.1	91925.3	+2553.2	2188	9.5	94918.2	+2543.7	2278	9.3	103127.8	+2521.5
2010	9.5	84647.8	+2553.4	2099	9.5	91953.4	+2506.3	2189	8.3	94934.8	+2518.2	2279	9.5	103157.0	+2549.8
2011	9.1	84718.1	+2537.0	2100	9.5	92037.0	+2551.1	2190	8.5	95044.7	+2505.9	2280	9.4	103208.9	+2544.3
2012	9.2	84731.1	+2531.0	2101	9.5	92050.6	+2556.1	2191	7.5	95153.7	+2514.8	2281	9.3	103235.5	+2507.7
2013	7.0	84743.2	+2500.8	2102	9.5	92100.9	+2543.8	2192	9.5	95239.5	+2522.4	2282	9.0	103344.1	+2507.6
2014	9.0	84752.8	+2556.9	2103	9.3	92112.4	+2553.9	2193	9.5	95341.0	+2515.1	2283	9.4	103423.3	+2501.8
2015	8.9	84815.1	+2532.8	2104	9.5	92132.3	+2533.2	2194	9.4	95344.1	+2509.9	2284	9.5	103426.5	+2503.8
2016	9.2	84917.4	+2503.3	2105	8.3	92143.7	+2518.7	2195	8.8	95410.7	+2558.6	2285	9.0	103438.7	+2529.4
2017	8.5	85006.2	+2555.6	2106	9.0	92158.9	+2544.6	2196	9.4	95517.6	+2552.2	2286	8.8	103453.4	+2545.3
2018	7.5	85017.7	+2557.8	2107	9.2	92222.8	+2555.3	2197	8.8	95602.5	+2555.7	2287	9.1	103516.4	+2536.8
2019	9.0	85023.1	+2556.1	2108	9.0	92230.0	+2529.7	2198	8.3	95619.2	+2555.6	2288	9.3	103540.8	+2540.6
2020	8.9	85032.6	+2540.4	2109	8.5	92244.0	+2540.8	2199	8.5	95713.4	+2525.0	2289	9.1	103616.0	+2549.3
2021	9.5	85111.5	+2532.4	2110	9.0	92303.3	+2546.3	2200	8.4	95717.1	+2531.3	2290	8.8	103643.0	+2543.6
2022	9.0	85114.5	+2510.5	2111	8.6	92310.1	+2504.4	2201	9.3	95839.3	+2517.9	2291	9.1	103650.6	+2548.5
2023	9.5	85145.6	+2554.0	2112	8.8	92319.3	+2526.3	2202	9.4	95955.3	+2531.4	2292	9.5	103704.2	+2507.5
2024	8.3	85155.4	+2503.1	2113	8.5	92327.9	+2536.3	2203	7.3	100020.2	+2501.0	2293	8.8	103710.1	+2503.2
2025	9.5	85217.3	+2501.8	2114	9.4	92358.0	+2554.4	2204	8.7	100028.9	+2509.3	2294	9.4	103739.9	+2504.8
2026	9.5	85235.3	+2536.1	2115	9.5	92408.0	+2554.9	2205	9.5	100105.2	+2542.8	2295	8.8	103746.0	+2514.2
2027	8.8	85237.7	+2539.8	2116	9.4	92428.8	+2553.4	2206	8.5	100112.7	+2514.8	2296	9.3	103750.2	+2529.4
2028	8.9	85239.4	+2559.6	2117	9.1	92439.0	+2518.4	2207	9.0	100116.4	+2539.0	2297	8.5	103831.0	+2513.5
2029	5.3	85417.2	+2501.5	2118	8.9	92535.0	+2530.8	2208	9.1	100124.7	+2554.8	2298	8.8	103834.3	+2520.3
2030	9.3	85446.7	+2541.4	2119	9.4	92539.6	+2523.3	2209	9.0	100224.0	+2515.8	2299	9.0	103952.6	+2501.7
2031	9.2	85453.5	+2516.3	2120	9.4	92642.7	+2540.4	2210	9.2	100225.9	+2510.4	2300	9.2	103953.1	+2526.0
2032	9.4	85507.6	+2503.9	2121	9.0	92642.9	+2532.8	2211	9.2	100311.3	+2558.7	2301	9.5	104046.0	+2532.8
2033	8.8	85529.0	+2536.7	2122	9.5	92656.8	+2509.1	2212	8.4	100420.4	+2536.5	2302	9.5	104112.0	+2551.7
2034	8.7	85554.1	+2556.6	2123	9.5	92721.9	+2513.2	2213	9.5	100447.2	+2511.7	2302a	9.5	104136.0	+2530.1
2035	9.5	85605.5	+2549.6	2124	9.1	92904.8	+2559.6	2214	9.5	100543.9	+2514.5	2303	9.4	104150.1	+2503.4
2036	8.2	85622.2	+2510.8	2125	9.5	92912.9	+2541.7	2215	9.5	100550.2	+2532.4	2304	9.1	104237.0	+2535.3
2037	9.5	85650.2	+2552.7	2126	9.0	92915.0	+2502.9	2216	9.4	100610.7	+2512.0	2305	9.2	104244.3	+2556.2
2038	9.5	85657.2	+2544.5	2127	6.5	92931.6	+2519.7	2217	9.5	100627.1	+2521.4	2306	8.3	104311.0	+2512.8
2039	9.3	85700.6	+2559.1	2128	8.9	92950.6	+2549.7	2218	9.5	100627.3	+2517.7	2307	9.5	104359.7	+2530.7
2040	9.0	85703.5	+2535.3	2129	9.2	92951.7	+2508.4	2219	9.3	100653.2	+2506.5	2308	9.4	104443.1	+2551.1
2041	9.5	85801.2	+2533.8	2130	8.9	93037.2	+2500.0	2220	9.5	100658.5	+2521.4	2309	9.5	104507.0	+2544.9
2042	9.5	85804.3	+2511.9	2131	9.3	93045.2	+2505.5	2221	9.5	100723.2	+2526.8	2310	9.5	104557.0	+2520.8
2043	9.5	85805.3	+2514.9	2132	9.5	93104.3	+2509.9	2222	9.0	100730.9	+2547.9	2311	9.5	104636.9	+2543.5
2044	9.3	85820.6	+2545.9	2133	9.3	93129.4	+2533.8	2223	8.9	100804.0	+2503.1	2312	9.3	104714.6	+2530.0
2045	9.5	85841.3	+2539.0	2134	8.0	93204.9	+2540.7	2224	8.0	100840.8	+2510.0	2313	9.4	104723.7	+2534.5
2046	9.4	85852.7	+2525.5	2135	9.5	93227.7	+2553.6	2225	9.5	100858.2	+2500.5	2314	4.0	104745.1	+2532.7
2047	9.2	85853.2	+2522.6	2136	9.3	93232.3	+2550.0	2226	8.5	100900.4	+2550.6	2315	9.4	104749.5	+2545.9
2048	9.4	85909.5	+2519.1	2137	9.5	93301.3	+2502.8	2227	9.4	100900.7	+2523.0	2316	9.5	104754.6	+2555.4
2049	9.5	85915.0	+2504.5	2138	9.2	93358.6	+2509.4	2228	9.3	100911.6	+2554.3	2317	8.9	104936.9	+2509.0
2050	8.7	85915.8	+2523.5	2139	9.2	93500.6	+2550.8	2229	9.5	100920.0	+2500.1	2318	9.5	104945.8	+2559.3
2051	9.3	90009.6	+2527.0	2140	9.5	93501.8	+2540.5	2230	9.5	101014.7	+2546.3	2319	7.7	105019.0	+2508.7
2052	9.3	90042.1	+2503.3	2141	8.6	93505.3	+2516.2	2231	7.0	101056.0	+2527.0	2320	9.5	105029.6	+2517.9
2053	9.4	90043.6	+2518.3	2142	8.8	93507.2	+2515.1	2232	8.2	101107.9	+2505.1	2321	9.4	105117.1	+2509.3
2053a30.0		90124.0	+2550.1	2143	9.5	93525.5	+2552.1	2233	9.2	101108.3	+2536.3	2322	9.4	105157.4	+2542.3
2054	9.5	90229.0	+2510.9	2144	8.8	93545.7	+2557.1	2234	9.3	101141.6	+2503.5	2323	9.5	105157.9	+2554.5
2055	9.5	90231.6	+2523.2	2145	9.5	93548.0	+2534.6	2235	9.3	101302.2	+2522.5	2324	9.2	105201.1	+2521.0
2056	8.5	90252.8	+2559.6	2146	9.0	93602.8	+2564.4	2236	9.3	101320.8	+2506.9	2325	9.2	105339.7	+2513.9
2057	9.0	90306.4	+2559.2	2147	9.5	93727.0	+2558.5	2237	8.7	101423.5	+2550.4	2326	9.5	105351.4	+2524.0
2058	9.5	90314.5	+2533.4	2148	9.2	93728.6	+2540.4	2238	8.5	101432.0	+2556.5	2327	9.5	105354.6	+2500.7
2059	9.0	90326.3	+2539.6	2149	9.5	93857.1	+2512.4	2239	9.1	101435.3	+2555.9	2328	9.5	105433.3	+2524.7
2060	9.3	90333.9	+2549.7	2150	9.5	93907.4	+2515.9	2240	7.9	101435.3	+2519.1	2329	9.5	105445.3	+2517.7
2061	9.4	90337.2	+2559.7	2151	9.3	93954.6	+2518.3	2241	8.7	101436.1	+2529.8	2330	9.5	105459.4	+2547.8
2062	8.1	90513.4	+2551.0	2152	9.3	94013.6	+2509.0	2242	9.0	101444.0	+2547.5	2331	9.5	105516.7	+2551.9
2063	8.3	90541.8	+2553.9	2153	9.2	94013.8	+2550.7	2243	8.9	101513.0	+2544.5	2332	9.5	105517.1	+2504.0
2064	9.2	90544.3	+2517.3	2154	9.3	94016.1	+2553.0	2244	9.5	101534.9	+2556.9	2333	9.5	105645.1	+2507.8
2065	7.0	90600.6	+2536.9	2155	8.0	94027.4	+2513.5	2245	9.3	101556.3	+2526.7	2334	9.4	105647.0	+2554.0
2066	9.4	90614.8	+2557.8	2156	9.5	94030.1	+2504.1	2246	9.4	101659.9	+2507.8	2335	7.8	105731.6	+2559.0
2067	9.5	90636.9	+2510.8	2157	8.6	94057.5	+2506.2	2247	8.0	101659.0	+2520.8	2336	9.2	105732.4	+2554.1
2068	9.5	90723.7	+2556.7	2158	8.9	94103.4	+2552.5	2248	8.8	101737.8	+2556.6	2337	9.2	105745.4	+2524.0
2069	8.9	90727.1	+2507.3	2159	8.3	94114.7	+2503.5	2249	7.2	101813.3	+2527.7	2338	8.3	105818.8	+2500.2
2070	9.4	90743.9	+2521.8	2160	9.0	94118.7	+2522.8	2250	9.1	101825.3	+2548.6	2339	9.5	105821.9	+2526.8
2071	9.5	90756.3	+2559.3	2161	9.5	94139.8	+2535.9	2251	9.5	101834.7	+2558.2	2340	8.9	105836.9	+2536.7
2072	9.5	90815.8	+2559.1	2162	9.1	94140.2	+2527.3	2252	9.3	101841.0	+2548.6	2341	9.3	105952.3	+2530.3
2073	8.5	90818.9	+2514.4	2163	7.0	94156.6	+2513.8	2253	9.0	101852.3	+2548.7	2342	9.4	110021.2	+2523.4
2074	9.5	90821.0	+2523.2	2164	9.0	94259.7	+2548.1	2254	7.7	101854.2	+2540.4	2343	9.5	110100.3	+2510.6
2075	9.4	90941.8	+2552.5	2165	8.8	94305.9	+2538.0								

+25 2361 11h09m

+25 2719 13h55m

2361	9.5	110930.7	+2542.8	2451	9.5	115523.8	+2512.2	2541	9.5	123206.5	+2557.6	2631	9.3	131746.0	+2529.0
2362	7.5	111001.5	+2551.8	2452	9.4	115602.3	+2528.0	2542	9.1	123212.3	+2507.1	2632	9.0	131757.1	+2538.9
2363	9.5	111011.9	+2512.3	2453	8.7	115619.4	+2555.0	2543	8.5	123252.7	+2527.0	2633	9.0	131857.6	+2512.3
2364	9.5	111232.0	+2522.5	2454	7.3	115628.1	+2545.4	2544	8.5	123254.2	+2547.7	2634	9.0	131922.3	+2533.6
2365	9.5	111434.3	+2555.7	2455	9.3	115656.9	+2537.8	2545	9.5	123426.7	+2523.5	2635	9.5	131941.2	+2509.0
2366	9.4	111438.4	+2532.7	2456	9.5	115733.3	+2502.2	2546	9.5	123536.3	+2513.2	2636	9.5	131947.6	+2527.5
2367	8.2	111500.4	+2532.3	2457	9.5	115822.7	+2532.0	2547	9.2	123553.3	+2518.5	2637	8.5	132036.2	+2504.1
2368	9.1	111606.3	+2512.7	2458	9.5	115851.7	+2542.6	2548	8.0	123553.5	+2506.1	2638	8.7	132040.6	+2546.3
2369	9.0	111610.6	+2544.9	2459	9.3	115918.1	+2530.4	2549	8.5	123602.8	+2524.3	2639	8.4	132052.3	+2509.2
2370	9.1	111628.2	+2507.4	2460	9.3	115943.7	+2524.8	2550	9.4	123604.4	+2537.0	2640	9.5	132234.5	+2516.8
2371	9.0	111725.4	+2514.4	2461	9.5	120013.3	+2550.9	2551	9.4	123604.6	+2557.7	2641	9.5	132359.0	+2513.3
2372	9.1	111738.9	+2510.6	2462	9.1	120016.2	+2537.8	2552	9.3	123605.2	+2540.7	2642	9.4	132430.5	+2518.0
2373	9.5	111750.7	+2505.2	2463	9.5	120052.9	+2543.4	2553	9.3	123609.9	+2533.0	2643	6.0	132556.2	+2506.7
2374	9.2	111822.5	+2554.7	2464	9.5	120055.4	+2545.4	2554	9.0	123709.8	+2518.5	2644	9.1	132611.0	+2503.6
2375	9.4	111822.5	+2529.4	2465	8.5	120108.2	+2536.4	2555	8.5	123713.7	+2532.9	2645	9.5	132622.5	+2544.3
2376	7.3	111930.3	+2549.8	2466	8.9	120132.5	+2531.6	2556	9.0	123825.7	+2542.9	2646	9.5	132705.3	+2535.4
2377	9.2	111949.8	+2517.1	2467	9.1	120240.8	+2518.6	2557	9.2	123828.3	+2524.3	2647	9.3	132740.3	+2547.4
2378	9.5	111951.7	+2500.4	2468	8.4	120243.0	+2533.3	2558	9.5	123834.5	+2507.0	2648	9.1	132740.6	+2538.8
2379	9.5	112012.1	+2537.0	2469	9.4	120258.5	+2533.2	2559	8.5	123843.3	+2524.6	2649	9.5	132820.0	+2532.2
2380	9.2	112013.9	+2518.7	2470	8.5	120341.3	+2517.3	2560	8.8	123845.8	+2531.5	2650	8.5	132827.6	+2519.9
2381	8.9	112017.0	+2506.2	2471	7.7	120353.8	+2513.6	2561	8.5	124008.2	+2502.4	2651	9.5	132831.3	+2523.6
2382	9.5	112026.7	+2554.9	2472	9.0	120413.2	+2514.7	2562	9.2	124021.9	+2547.6	2652	6.0	133009.4	+2521.0
2383	9.1	112041.6	+2515.8	2473	9.5	120448.2	+2505.7	2563	9.1	124031.9	+2552.4	2653	9.5	133010.3	+2533.2
2384	9.2	112208.9	+2535.4	2474	9.5	120535.5	+2517.0	2564	8.9	124110.7	+2555.8	2654	9.5	133018.5	+2526.9
2385	7.8	112213.8	+2545.2	2475	9.5	120602.5	+2531.9	2565	9.5	124118.3	+2506.2	2655	8.9	133032.9	+2549.1
2386	9.1	112313.8	+2532.5	2476	9.5	120629.3	+2547.0	2566	8.9	124125.2	+2513.3	2656	9.2	133034.3	+2528.2
2387	7.1	112413.9	+2507.1	2477	9.5	120749.0	+2550.3	2567	9.1	124125.6	+2511.6	2657	9.4	133147.4	+2506.7
2388	8.8	112459.9	+2507.2	2478	9.3	120911.2	+2525.6	2568	6.0	124143.6	+2538.6	2658	9.0	133258.0	+2515.3
2389	8.8	112508.8	+2532.7	2479	9.5	120930.3	+2535.1	2569	9.2	124341.3	+2506.2	2659	9.5	133339.8	+2535.0
2390	9.5	112625.7	+2523.4	2480	9.5	120938.7	+2543.9	2570	8.4	124611.4	+2556.3	2660	9.4	133411.0	+2524.0
2391	9.5	112625.7	+2523.4	2481	8.5	120950.7	+2525.9	2571	8.0	124649.8	+2524.9	2661	9.4	133436.5	+2504.1
2392	9.2	112801.8	+2504.6	2482	8.7	121027.6	+2550.4	2572	8.8	124652.5	+2532.4	2662	9.5	133524.0	+2538.7
2393	8.9	112811.4	+2524.1	2483	9.3	121031.6	+2556.5	2573	8.8	124759.5	+2510.7	2663	9.5	133530.6	+2557.7
2394	6.8	112851.7	+2550.0	2484	9.5	121100.0	+2516.3	2574	9.3	124809.2	+2533.5	2664	9.5	133619.8	+2526.1
2395	9.5	112929.6	+2554.3	2485	8.8	121130.3	+2505.6	2575	9.5	124818.5	+2546.9	2665	9.3	133623.0	+2537.3
2396	8.8	112964.0	+2547.7	2486	8.4	121142.2	+2539.1	2576	9.5	124922.0	+2526.0	2666	8.5	133629.5	+2505.5
2397	9.3	113014.0	+2539.9	2487	7.5	121156.1	+2552.4	2577	8.7	124956.9	+2510.5	2667	9.5	133631.0	+2535.1
2398	8.3	113034.9	+2516.2	2488	8.8	121209.5	+2505.1	2578	8.0	125023.5	+2544.5	2668	9.5	133639.1	+2502.3
2399	9.5	113100.7	+2549.5	2489	9.5	121223.2	+2555.1	2579	9.5	125046.0	+2517.7	2669	9.0	133637.4	+2539.1
2400	9.5	113201.9	+2542.2	2490	9.5	121242.4	+2503.1	2580	9.4	125108.1	+2518.5	2670	9.3	133645.0	+2552.2
2401	8.7	113235.1	+2519.6	2491	9.5	121244.7	+2526.6	2581	9.3	125130.5	+2513.5	2671	9.5	133653.9	+2552.3
2402	9.1	113243.1	+2526.1	2492	8.4	121328.5	+2501.6	2582	9.3	125256.9	+2553.1	2672	9.2	133717.5	+2530.9
2403	8.4	113340.3	+2537.1	2493	7.2	121348.2	+2550.5	2583	7.4	125401.4	+2505.9	2673	9.4	133731.0	+2518.9
2404	9.5	113413.4	+2542.6	2494	9.5	121403.9	+2554.2	2584	9.1	125453.5	+2533.9	2674	9.1	133806.7	+2522.0
2405	9.5	113541.4	+2527.2	2495	7.5	121408.6	+2548.9	2585	9.3	125600.7	+2558.8	2675	9.5	133902.6	+2539.9
2406	9.5	113613.6	+2510.8	2496	8.5	121410.7	+2518.7	2586	9.5	125623.5	+2543.9	2676	9.5	133906.6	+2500.7
2407	9.2	113624.7	+2548.8	2497	9.4	121446.9	+2554.5	2587	9.5	125751.0	+2523.6	2677	9.4	133928.0	+2556.0
2408	9.5	113653.0	+2507.0	2498	6.5	121455.2	+2533.9	2588	9.4	125758.2	+2555.4	2678	9.5	134020.2	+2504.9
2409	9.0	113655.9	+2511.5	2499	9.5	121505.4	+2556.5	2589	9.3	125805.9	+2555.0	2679	9.3	134045.3	+2516.8
2410	9.5	113756.9	+2526.7	2500	9.5	121525.9	+2552.4	2590	9.3	125806.2	+2508.2	2680	8.8	134152.5	+2554.1
2411	8.1	113759.7	+2555.5	2501	7.0	121612.0	+2523.9	2591	9.1	125819.3	+2545.6	2681	8.7	134153.0	+2505.0
2412	9.5	113801.6	+2520.7	2502	9.4	121657.6	+2506.8	2592	9.5	125835.5	+2540.4	2682	9.5	134154.9	+2556.1
2413	9.3	113819.4	+2537.8	2503	9.4	121659.3	+2559.5	2593	9.3	125845.0	+2539.7	2683	9.3	134239.4	+2500.7
2414	9.5	113841.0	+2502.4	2504	9.5	121749.4	+2519.7	2594	9.3	125855.8	+2509.1	2684	9.5	134316.0	+2502.0
2415	9.0	113846.1	+2525.1	2505	9.5	121759.8	+2558.7	2595	9.0	125904.7	+2557.2	2684a	9.6	134341.8	+2504.4
2416	9.5	113851.7	+2531.3	2506	9.2	121958.3	+2541.2	2596	9.5	125945.3	+2555.6	2685	9.4	134400.0	+2557.7
2417	9.5	113852.5	+2511.6	2507	8.0	122011.6	+2527.6	2597	8.5	125951.0	+2532.7	2686	9.2	134407.9	+2530.4
2418	9.1	113947.1	+2514.1	2508	8.6	122017.8	+2502.0	2598	8.8	125956.0	+2549.8	2687	9.3	134411.3	+2525.2
2419	9.1	114031.7	+2516.4	2509	9.5	122049.6	+2502.5	2599	6.8	130102.4	+2536.1	2688	9.5	134423.8	+2544.0
2420	9.3	114034.1	+2502.6	2510	8.3	122059.2	+2550.5	2600	9.2	130200.5	+2516.1	2689	7.5	134431.8	+2524.9
2421	9.3	114042.4	+2516.1	2511	9.0	122223.3	+2518.4	2601	9.3	130222.8	+2539.4	2690	9.5	134451.0	+2500.7
2422	9.5	114044.7	+2528.8	2512	9.3	122225.5	+2544.5	2602	8.9	130224.3	+2505.2	2691	8.0	134506.6	+2524.3
2423	9.5	114113.9	+2559.1	2513	7.7	122240.3	+2507.9	2603	9.1	130230.1	+2533.4	2692	7.5	134513.3	+2545.6
2424	9.5	114158.8	+2509.0	2514	8.3	122242.9	+2520.8	2604	9.3	130308.1	+2522.9	2693	9.2	134546.9	+2543.3
2425	9.4	114220.9	+2550.9	2515	9.4	122309.8	+2539.1	2605	9.5	130320.0	+2508.7	2694	9.5	134558.5	+2542.6
2426	9.5	114351.5	+2559.1	2516	9.2	122343.5	+2551.7	2606	9.5	130425.2	+2504.2	2695	9.5	134610.9	+2524.7
2427	9.4	114448.3	+2516.2	2517	5.3	122346.8	+2522.5	2607	9.0	130431.5	+2530.2	2696	8.7	134636.4	+2540.1
2428	9.4	114514.3	+2558.5	2518	8.8	122418.3	+2525.9	2608	9.2	130442.4	+2557.0	2697	9.2	134738.5	+2556.1
2429	9.5	114556.0	+2538.2	2519	9.5	122420.4	+2501.8	2609	9.1	130454.0	+2527.4	2698	8.7	134742.6	+2555.3
2430	8.5	114639.3	+2530.3	2520	9.5	122444.2	+2552.2	2610	6.5	130508.3	+2501.9	2699	9.2	134753.6	+2510.9
2431	9.2	114706.8	+2539.2	2521	9.1	122517.7	+2502.2	2611	8.8	130509.0	+2522.3	2700	9.5	134811.7	+2541.6
2432	9.1	114741.4	+2530.6	2522	7.3	122618.5	+2514.9	2612	9.5	130547.9	+2557.7	2701	9.5	134913.3	+2529.8
2433	9.5	114759.6	+2511.6	2523	6.3	122621.2	+2504.9	2613	9.5	130605.4	+2541.4	2702	8.5	134917.3	+2513.5

+25 2720 13h55m

+25 3077 16h18m

2720	9.5	135532.3	+2550.1	2810	9.1	143333.0	+2518.7	2900	9.3	151414.6	+2505.3	2990	9.0	154844.6	+2541.6
2721	9.5	135604.8	+2509.9	2811	9.2	143338.6	+2546.3	2901	8.9	151446.7	+2512.6	2991	8.8	154848.0	+2500.9
2722	7.3	135612.0	+2516.0	2812	9.4	143353.1	+2536.3	2902	6.0	151450.4	+2529.5	2992	9.3	154859.3	+2555.0
2723	7.5	135636.8	+2518.1	2813	9.5	143426.8	+2523.5	2903	9.5	151529.6	+2555.7	2993	9.5	154921.3	+2513.8
2724	9.5	135645.0	+2502.2	2814	9.5	143431.9	+2547.7	2904	7.7	151600.6	+2546.1	2994	8.3	155019.1	+2535.8
2725	9.5	135913.1	+2503.8	2815	9.5	143516.8	+2541.4	2905	9.4	151708.9	+2521.9	2995	9.5	155049.9	+2503.2
2726	9.4	135916.1	+2548.8	2816	7.5	143516.9	+2509.3	2906	9.5	151713.9	+2533.2	2996	9.0	155059.2	+2539.0
2727	9.4	135949.8	+2543.3	2817	8.8	143551.6	+2509.3	2907	9.5	151737.4	+2520.8	2997	8.5	155111.5	+2501.6
2728	9.0	135955.0	+2524.2	2818	9.5	143556.5	+2549.8	2908	8.0	151737.5	+2549.0	2998	9.5	155132.4	+2518.6
2729	9.4	140013.5	+2507.7	2819	8.9	143630.0	+2531.8	2909	9.5	151742.9	+2508.0	2999	9.5	155133.1	+2521.0
2730	9.5	140015.0	+2551.7	2820	8.8	143636.3	+2501.4	2910	8.0	151744.6	+2534.1	3000	8.7	155153.2	+2514.5
2731	9.3	140038.4	+2548.0	2821	8.8	143651.0	+2537.0	2911	9.5	151851.8	+2527.0	3001	9.5	155211.5	+2557.0
2732	8.7	140112.3	+2525.0	2822	9.5	143651.7	+2518.3	2912	7.3	151858.4	+2519.4	3002	9.5	155224.2	+2542.3
2733	6.2	140138.5	+2500.2	2823	9.4	143704.4	+2521.1	2913	9.0	151951.9	+2516.2	3002a	9.5	155235.3	+2530.6
2734	9.5	140146.1	+2514.2	2824	9.5	143744.6	+2542.5	2914	9.3	152027.8	+2524.9	3003	8.1	155239.3	+2559.5
2735	9.5	140155.3	+2527.8	2825	9.5	143818.0	+2501.1	2915	9.5	152102.2	+2501.2	3004	9.0	155244.4	+2537.2
2736	9.5	140210.2	+2556.2	2826	8.4	143819.0	+2522.2	2916	6.0	152126.4	+2535.9	3005	8.3	155249.1	+2502.0
2737	4.8	140347.7	+2547.2	2827	9.4	143826.6	+2545.6	2917	9.5	152135.9	+2513.5	3006	9.0	155254.1	+2526.8
2738	9.5	140356.4	+2501.0	2828	9.4	143834.7	+2536.7	2918	9.4	152148.7	+2525.0	3007	9.0	155255.3	+2516.6
2739	8.9	140435.8	+2514.3	2829	8.2	143835.9	+2519.3	2919	9.5	152159.1	+2522.1	3008	9.2	155312.0	+2509.4
2740	9.0	140605.4	+2522.3	2830	9.4	144012.1	+2523.1	2920	9.5	152208.0	+2522.1	3009	8.0	155323.8	+2551.1
2741	8.8	140610.4	+2512.9	2831	8.7	144017.0	+2511.5	2921	9.5	152228.9	+2554.3	3010	9.5	155355.1	+2528.6
2742	8.8	140616.5	+2557.5	2832	9.1	144029.1	+2523.6	2922	8.1	152240.0	+2549.4	3011	9.3	155355.1	+2508.9
2743	9.3	140654.5	+2514.0	2833	9.3	144030.6	+2534.6	2923	9.4	152301.4	+2533.8	3012	9.1	155434.5	+2548.6
2744	8.0	140705.3	+2528.2	2834	9.5	144055.0	+2559.4	2924	9.5	152357.5	+2535.5	3013	9.5	155448.4	+2514.1
2745	9.3	140749.6	+2556.7	2835	8.5	144128.4	+2503.2	2925	8.5	152406.4	+2549.6	3014	9.5	155458.6	+2515.1
2746	8.9	140806.0	+2527.5	2836	9.5	144148.1	+2526.9	2926	9.3	152419.3	+2548.5	3015	9.5	155472.2	+2521.5
2747	9.0	140818.5	+2541.3	2837	9.4	144204.8	+2512.3	2927	9.5	152509.4	+2524.8	3016	9.4	155505.0	+2509.9
2748	9.4	140819.1	+2550.7	2838	8.5	144221.0	+2511.4	2928	9.5	152546.4	+2511.9	3017	9.5	155545.4	+2545.5
2749	9.4	140826.0	+2521.1	2839	6.8	144251.5	+2545.9	2929	9.5	152618.1	+2502.5	3018	9.5	155732.2	+2506.0
2750	9.5	140928.1	+2500.2	2840	9.5	144313.6	+2546.0	2930	9.5	152732.9	+2545.1	3019	9.2	155734.2	+2545.8
2751	9.4	141006.3	+2559.2	2841	7.0	144331.5	+2520.0	2931	9.5	152810.4	+2556.5	3020	7.5	155804.6	+2537.9
2752	9.0	141024.9	+2509.9	2842	8.7	144523.1	+2521.1	2932	8.3	152836.5	+2528.6	3021	9.5	155839.2	+2535.3
2753	9.4	141035.9	+2520.9	2843	9.5	144536.3	+2526.2	2933	9.0	152836.9	+2518.0	3022	9.0	155843.3	+2537.8
2754	9.2	141046.8	+2559.9	2844	9.3	144553.0	+2505.5	2934	9.2	152859.2	+2548.5	3023	9.0	155843.8	+2538.3
2755	9.4	141105.6	+2509.0	2845	8.5	144714.8	+2525.9	2935	9.5	152907.0	+2500.6	3024	9.5	155854.3	+2526.6
2756	9.3	141135.0	+2554.1	2846	9.5	144716.1	+2540.5	2936	8.8	152929.6	+2506.9	3025	9.0	155932.0	+2539.7
2757	8.6	141202.8	+2557.9	2847	9.5	144828.6	+2535.2	2937	8.9	152955.5	+2520.3	3026	9.4	155935.8	+2543.5
2758	9.4	141303.9	+2538.9	2848	9.5	144830.0	+2539.1	2938	8.6	152956.5	+2545.4	3027	9.2	155945.9	+2512.9
2759	8.0	141357.4	+2524.7	2849	9.4	144836.1	+2511.0	2939	9.5	153010.7	+2535.1	3028	9.5	155951.8	+2528.5
2760	9.5	141405.9	+2547.2	2850	8.0	144947.2	+2540.4	2940	9.4	153024.0	+2509.4	3029	9.4	160002.0	+2518.6
2761	9.0	141413.0	+2534.6	2851	8.5	145031.5	+2523.6	2941	9.5	153041.2	+2528.9	3030	9.5	160041.7	+2548.8
2762	9.4	141424.8	+2558.6	2852	9.5	145033.6	+2528.7	2942	9.5	153133.6	+2537.6	3031	8.3	160120.8	+2517.9
2763	9.2	141430.6	+2558.3	2853	7.5	145102.7	+2554.4	2943	8.9	153155.8	+2538.2	3032	9.5	160144.0	+2550.0
2764	9.5	141550.3	+2519.2	2854	9.3	145106.2	+2519.4	2944	8.9	153157.2	+2502.2	3033M	9.5	160147.3	+2542.6
2765	9.0	141607.7	+2552.7	2855	7.5	145119.4	+2515.6	2945	9.5	153226.8	+2556.1	3034	9.5	160149.9	+2517.6
2766	8.8	141612.3	+2529.2	2856	7.0	145228.0	+2538.0	2946	9.5	153306.6	+2537.2	3035	9.5	160218.1	+2511.3
2767	9.4	141618.8	+2558.5	2857	8.5	145249.6	+2515.4	2947	9.5	153307.2	+2504.6	3036	8.4	160247.6	+2518.8
2768	9.2	141629.5	+2556.2	2858	9.5	145256.2	+2513.5	2948	9.4	153321.5	+2549.6	3037	9.5	160328.5	+2553.5
2769	9.3	141634.3	+2525.2	2859	9.4	145505.8	+2541.4	2949	9.5	153334.2	+2526.5	3038	9.5	160402.2	+2506.5
2770	6.1	141637.6	+2559.6	2860	8.9	145536.5	+2525.4	2950	9.0	153505.2	+2558.6	3039	7.1	160403.6	+2552.1
2771	9.2	141648.5	+2548.9	2861	4.7	145546.4	+2535.1	2951	9.5	153505.5	+2529.3	3039a30.0	160410.0	+2527.1	
2772	9.4	141713.2	+2532.8	2862	9.4	145623.4	+2510.3	2952	9.5	153525.6	+2553.6	3040	9.5	160428.1	+2550.0
2773	8.7	141720.1	+2512.2	2863	8.4	145634.9	+2527.3	2953	9.0	153532.3	+2529.7	3041	9.4	160505.9	+2505.0
2774	8.7	141722.3	+2553.1	2864	9.2	145708.5	+2558.8	2954	8.6	153639.0	+2516.9	3042	8.5	160518.5	+2520.2
2775	9.0	141757.5	+2524.5	2865	9.5	145725.9	+2545.5	2955	8.9	153645.9	+2555.4	3043	9.2	160519.6	+2501.1
2776	9.1	141816.1	+2513.2	2866	9.5	145825.4	+2519.2	2956	9.0	153723.7	+2506.6	3044	8.8	160523.2	+2548.2
2777	9.3	141915.6	+2509.6	2867	8.5	145825.4	+2511.0	2957	8.0	153746.3	+2525.8	3045	9.5	160539.0	+2500.5
2778	9.4	142016.3	+2551.8	2868	9.4	145836.9	+2503.0	2958	8.9	153802.2	+2508.7	3046	9.0	160548.3	+2536.5
2779	9.5	142124.3	+2512.7	2869	9.1	145845.6	+2502.8	2959	8.9	153818.5	+2504.3	3047	9.5	160626.7	+2549.2
2780	9.1	142128.5	+2536.3	2870	9.4	145917.4	+2552.0	2960	9.3	153822.2	+2531.5	3048	9.3	160635.5	+2552.3
2781	9.5	142139.7	+2518.0	2871	8.4	145958.9	+2529.9	2961*	9.5	153829.9	+2516.9	3049	9.5	160716.7	+2528.0
2782	8.0	142147.0	+2510.7	2872	9.4	150051.7	+2536.6	2962	9.3	153836.8	+2511.0	3050	9.5	160717.4	+2544.0
2783	9.5	142248.5	+2531.4	2873	4.8	150056.4	+2526.8	2963	7.5	153846.4	+2509.7	3051	9.3	160725.0	+2536.2
2784	9.0	142311.4	+2529.3	2874	9.2	150112.4	+2528.6	2964*	9.4	153848.2	+2524.2	3052	9.4	160725.3	+2515.4
2785	9.5	142345.6	+2557.0	2875	9.4	150207.7	+2559.3	2965	8.5	154043.1	+2532.1	3053	9.5	160747.2	+2557.9
2786	8.3	142359.5	+2545.3	2876	6.3	150217.9	+2539.9	2966	9.4	154109.5	+2500.5	3054	9.5	160748.6	+2515.2
2787	9.5	142436.1	+2537.4	2877	7.3	150307.4	+2512.8	2967	9.5	154132.7	+2506.8	3055	9.5	160814.2	+2529.9
2788	9.4	142436.8	+2518.1	2878	9.3	150359.9	+2534.8	2968	9.1	154220.8	+2558.3	3056	8.3	161002.1	+2538.8
2789	9.1	142442.6	+2507.7	2879	8.1	150409.5	+2559.9	2969	9.5	154231.7	+2549.2	3057	8.6	161017.7	+2557.0
2790	9.0	142445.1	+2510.3	2880	9.0	150415.9	+2548.9	2970	9.5	154238.9	+2529.2	3058	9.5	161111.0	+2541.7
2791	9.4	142448.2	+2542.8	2881	9.5	150424.4	+2531.7	2971	9.3	154305.9	+2545.4	3059	9.5	161116.2	+2558.0
2792	9.0	142456.9	+2506.6	2882	9.5	150507.9	+2548.5	2972	9.3	154323.6	+2540.0	3060	9.5	161143.1	+2515.7

+25 3078 16h19m

+25 3437 18h01m

3078	9.5	161913.3	+2500.4	3168	8.9	165140.7	+2529.3	3258	9.4	171845.6	+2543.4	3348	8.9	174159.7	+2528.9
3079	7.8	161931.4	+2533.0	3169	9.3	165141.7	+2524.4	3259	9.2	171905.8	+2519.2	3349	9.5	174200.0	+2551.5
3080	9.5	161953.4	+2553.8	3170	9.2	165143.1	+2521.0	3260	9.0	171925.7	+2521.9	3350	9.1	174220.5	+2526.5
3081	9.3	161953.5	+2521.6	3171	9.5	165206.5	+2532.7	3261	9.3	171950.9	+2540.4	3351	9.3	174238.1	+2505.1
3082	8.7	161959.6	+2527.5	3172	9.2	165208.9	+2524.2	3262	9.5	171959.6	+2516.7	3352	9.5	174238.7	+2523.7
3083	9.5	162054.0	+2556.8	3173	9.4	165215.1	+2559.0	3263	8.7	172012.7	+2508.2	3353	5.7	174256.5	+2541.0
3084	9.0	162123.9	+2532.8	3174	8.6	165215.2	+2534.2	3264	9.1	172015.5	+2545.1	3354	9.1	174302.6	+2514.2
3085	9.1	162147.0	+2524.8	3175	8.6	165208.7	+2510.0	3265	9.5	172033.4	+2531.5	3355	9.2	174337.4	+2546.7
3086	8.0	162154.8	+2530.9	3176	9.3	165315.0	+2544.8	3266	9.5	172058.0	+2559.1	3356	9.5	174417.7	+2547.4
3087	8.4	162219.6	+2549.9	3177	9.4	165340.9	+2503.9	3267	9.5	172059.9	+2520.6	3357	7.0	174421.6	+2520.1
3088	9.5	162245.0	+2558.6	3178	8.4	165454.1	+2552.7	3268	9.4	172103.5	+2548.3	3358	9.0	174427.3	+2507.9
3089	9.3	162247.5	+2530.5	3179	8.5	165511.0	+2510.9	3269	9.4	172129.9	+2514.7	3359	9.5	174543.8	+2515.4
3090	9.2	162249.2	+2510.4	3180	8.4	165542.0	+2551.0	3270	9.5	172157.3	+2558.9	3360	8.9	174543.7	+2507.9
3091	9.4	162300.5	+2505.3	3181	9.5	165545.8	+2541.6	3271	9.5	172237.7	+2545.2	3361	9.5	174546.8	+2534.2
3092	9.5	162504.9	+2513.6	3182	7.5	165603.7	+2514.3	3272	9.5	172251.9	+2524.0	3362	9.2	174557.0	+2531.8
3093	8.8	162527.3	+2542.6	3183	6.0	165621.8	+2543.5	3273	9.1	172319.0	+2543.2	3363	9.3	174623.4	+2504.7
3094	7.7	162618.1	+2509.0	3184	9.2	165626.2	+2555.4	3274	8.7	172341.9	+2504.5	3364	7.8	174629.5	+2537.0
3095	9.4	162642.3	+2558.8	3185	9.2	165632.2	+2552.7	3275	8.7	172401.3	+2511.8	3365	8.5	174640.5	+2537.0
3096	9.5	162655.5	+2504.1	3186	8.6	165648.7	+2509.6	3276	9.5	172420.6	+2513.2	3366	9.4	174649.7	+2555.6
3097	7.7	162719.6	+2559.7	3187	8.5	165701.0	+2551.7	3277	9.5	172428.1	+2505.8	3367	9.5	174715.4	+2542.5
3098	8.3	162731.9	+2510.0	3188	9.5	165701.3	+2545.7	3278	9.5	172447.0	+2531.9	3368	7.9	174724.0	+2501.6
3099	8.8	162744.7	+2539.2	3189	8.6	165703.7	+2535.0	3279	9.3	172513.4	+2539.7	3369	9.3	174744.1	+2523.6
3100	9.0	162745.8	+2504.1	3190	8.5	165710.8	+2503.0	3280	9.4	172553.4	+2520.7	3370	9.4	174748.6	+2527.6
3101	7.7	162805.7	+2546.8	3191	9.3	165715.4	+2504.2	3281	9.2	172612.8	+2539.3	3371	9.5	174756.4	+2516.4
3102	9.5	162825.4	+2551.9	3192	9.5	165834.7	+2559.3	3282	9.4	172622.9	+2506.7	3372	9.2	174822.0	+2530.8
3103	9.2	162853.8	+2524.8	3193	9.5	165909.7	+2517.7	3283	8.2	172636.0	+2550.8	3373	9.4	174856.7	+2526.8
3104	9.5	162950.6	+2529.5	3194	8.6	165925.4	+2549.5	3284	8.7	172639.8	+2540.0	3374	8.8	174859.3	+2529.0
3105	9.5	162958.0	+2545.0	3195	9.0	165926.3	+2549.5	3285	9.5	172640.7	+2507.7	3375	8.5	174859.4	+2504.7
3106	9.4	163000.5	+2518.7	3196	9.3	165938.5	+2506.7	3286	9.5	172656.3	+2531.8	3376	8.6	174859.7	+2539.4
3107	9.0	163003.6	+2549.6	3197	8.2	165946.5	+2542.4	3287	9.1	172704.9	+2515.5	3377	9.5	174906.8	+2510.8
3108	9.5	163042.1	+2539.2	3198	9.4	170013.5	+2552.5	3288	9.5	172733.5	+2559.6	3378	8.9	174916.8	+2547.3
3109	9.3	163141.3	+2513.5	3199	9.0	170027.4	+2535.0	3289	9.3	172733.7	+2517.1	3379	8.0	174930.1	+2517.4
3110	8.6	163218.6	+2542.3	3200	9.5	170109.0	+2531.8	3290	9.1	172741.9	+2505.1	3380	9.1	174933.2	+2538.0
3111	9.3	163322.8	+2549.4	3201	8.8	170116.3	+2505.8	3291	9.3	172742.0	+2551.2	3381	7.8	174940.2	+2508.8
3112	9.4	163339.8	+2536.7	3202	9.4	170119.1	+2556.0	3292	9.2	172743.0	+2548.4	3382	9.0	174940.4	+2518.0
3113	8.2	163402.9	+2549.6	3203	9.3	170157.8	+2534.9	3293	9.2	172743.1	+2518.9	3383	9.1	174950.2	+2515.3
3114	9.1	163441.9	+2518.7	3204	9.5	170220.7	+2535.3	3294	9.4	172757.0	+2541.6	3384	9.1	175008.4	+2509.1
3115	6.0	163500.0	+2508.1	3205	9.2	170332.7	+2553.9	3295	9.5	172802.9	+2559.4	3385	8.4	175010.1	+2500.8
3116	9.2	163539.5	+2538.3	3206	9.4	170412.7	+2550.6	3296	8.2	172813.3	+2531.0	3386	9.3	175029.5	+2527.0
3117	9.5	163543.1	+2525.0	3207	9.5	170436.4	+2546.0	3297	9.5	172830.3	+2526.6	3387	9.5	175043.4	+2554.7
3118	9.0	163612.2	+2543.1	3208	9.4	170436.5	+2506.0	3298	9.3	172834.5	+2533.7	3388	9.3	175049.2	+2528.7
3119	9.0	163615.9	+2543.1	3209	9.5	170516.4	+2527.7	3299	9.5	172902.4	+2559.8	3389	9.0	175057.3	+2534.4
3120	9.4	163631.5	+2523.6	3210	9.5	170517.2	+2556.7	3300	9.1	172918.5	+2526.2	3390	8.5	175058.7	+2514.4
3121	9.5	163713.8	+2547.3	3211	9.5	170534.6	+2559.0	3301	8.8	172922.2	+2545.7	3391	9.0	175059.2	+2553.2
3122	8.2	163720.7	+2525.0	3212	8.4	170611.7	+2526.0	3302	9.1	172923.0	+2551.9	3392	9.0	175125.7	+2512.6
3123	9.5	163751.2	+2502.5	3213	9.4	170626.4	+2539.1	3303	9.3	172929.5	+2534.1	3393	9.2	175144.2	+2526.7
3124	9.4	163805.9	+2515.4	3214	9.5	170707.4	+2529.1	3304	9.1	172933.0	+2541.6	3394	9.5	175156.0	+2509.6
3125	9.5	163904.2	+2553.6	3215	7.8	170711.8	+2510.1	3305	9.4	172935.5	+2559.5	3395	9.5	175244.1	+2550.1
3126	9.1	163915.5	+2527.9	3216	9.5	170753.7	+2504.0	3306	9.5	173019.2	+2509.0	3396	8.3	175244.1	+2501.5
3127	9.4	163921.8	+2513.7	3217	9.1	170817.7	+2512.3	3307	9.2	173024.5	+2549.8	3397	9.5	175256.0	+2553.0
3128	9.3	163939.6	+2505.2	3218	9.1	170819.8	+2520.9	3308	7.4	173032.0	+2542.6	3398	9.5	175328.5	+2514.9
3129	9.5	163956.1	+2529.1	3219	9.2	170835.6	+2508.7	3309	9.2	173058.1	+2508.5	3399	8.8	175357.8	+2500.7
3130	9.0	164000.7	+2510.8	3220	9.5	170852.9	+2531.2	3310	9.3	173130.0	+2524.7	3400	9.4	175400.6	+2533.9
3131	9.2	164034.5	+2527.7	3221	3.0	170906.6	+2501.0	3311	9.4	173140.5	+2524.1	3401	9.4	175413.5	+2555.1
3132	9.5	164046.0	+2507.4	3222	9.3	170914.0	+2511.1	3312	9.5	173143.0	+2538.8	3402	8.8	175446.0	+2554.6
3133	9.4	164047.6	+2531.1	3223	9.5	170937.4	+2511.9	3313	8.2	173232.4	+2536.2	3403	9.3	175521.8	+2558.5
3134	9.5	164053.3	+2557.2	3224	9.2	170940.8	+2506.2	3314	9.0	173255.5	+2523.4	3404	7.2	175541.0	+2529.8
3135	9.5	164102.8	+2519.3	3225	9.4	170948.0	+2559.0	3315	8.5	173253.0	+2524.7	3405	9.5	175542.5	+2503.8
3136	8.3	164137.9	+2553.7	3226	9.0	170952.0	+2559.9	3316	8.7	173342.1	+2504.3	3406	9.5	175547.7	+2508.3
3137	7.8	164207.9	+2548.6	3227	9.4	171005.2	+2525.9	3317	9.5	173347.2	+2514.5	3407	9.5	175548.2	+2518.8
3138	9.5	164235.8	+2518.6	3228	9.0	171008.1	+2544.8	3318	9.4	173405.0	+2547.4	3408	9.2	175603.0	+2505.9
3139	9.2	164238.4	+2530.7	3229	9.0	171034.7	+2535.3	3319	8.7	173417.6	+2510.2	3409	9.0	175605.0	+2551.0
3140	9.4	164307.2	+2533.7	3230	9.5	171059.8	+2520.2	3320	9.4	173435.5	+2516.9	3410	8.8	175606.8	+2500.6
3141	9.2	164314.0	+2537.8	3231	8.9	171124.2	+2511.4	3321	9.4	173440.3	+2503.0	3411	8.8	175624.7	+2538.4
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3143	9.5	164317.8	+2529.1	3233	9.2	171148.8	+2518.4	3323	9.5	173451.7	+2555.2	3413	9.5	175645.4	+2555.6
3144	9.4	164330.0	+2559.1	3234	9.5	171149.5	+2539.4	3324	9.0	173517.0	+2514.3	3414	9.0	175713.2	+2510.7
3145	8.8	164334.8	+2545.6	3235	9.5	171203.3	+2505.9	3325	9.5	173538.5	+2525.0	3415	8.5	175717.2	+2522.2
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3150	7.1	164550.3	+2538.7	3240	9.4	171316.7	+2526.7	3330	9.3	173652.2	+2530.8	3420	8.8	175816.1	+2520.5

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3797	9.0	191436.9	+2503.5	3887	9.3	192933.7	+2504.1	3977	9.1	194232.9	+2535.2	4067	8.7	195510.6	+2517.3
3798	9.4	191447.5	+2500.7	3888	9.2	192944.3	+2522.5	3978	9.1	194240.7	+2527.0	4068	9.5	195513.4	+2549.9
3799	9.5	191449.3	+2546.1	3889	7.5	192947.7	+2529.8	3979	9.4	194243.6	+2535.8	4069	9.3	195514.1	+2520.3
3800	9.4	191452.4	+2533.9	3890	9.5	192955.5	+2515.5	3980	9.5	194250.8	+2507.6	4070	9.5	195523.8	+2541.2
3801	9.5	191454.7	+2547.9	3891	8.3	193001.2	+2513.7	3981	9.3	194253.7	+2527.9	4071	9.1	195527.5	+2527.7
3802	7.0	191529.1	+2519.9	3892	9.5	193047.0	+2504.0	3982	9.5	194257.6	+2518.0	4072	9.5	195601.8	+2541.7
3803	7.5	191540.0	+2518.0	3893	8.6	193109.2	+2506.4	3983	9.5	194302.2	+2553.7	4073	9.5	195602.0	+2558.9
3804	9.5	191544.6	+2517.6	3894	9.5	193111.8	+2559.2	3984	9.4	194309.5	+2518.9	4074	9.4	195608.0	+2513.7
3805	8.8	191550.1	+2512.0	3895	8.2	193117.2	+2549.6	3985	9.2	194315.7	+2525.5	4075	9.5	195640.6	+2554.8
3806	9.4	191559.9	+2530.7	3896	8.0	193121.8	+2513.8	3986	8.1	194319.0	+2508.7	4076	9.4	195642.2	+2543.0
3807	9.5	191602.2	+2506.3	3897	9.5	193141.1	+2509.0	3987	8.9	194327.4	+2558.1	4077	9.4	195642.4	+2555.8
3808	8.9	191613.3	+2543.3	3898	9.0	193152.2	+2528.3	3988	9.4	194335.3	+2515.2	4078	9.5	195648.5	+2505.4
3809	9.3	191641.5	+2502.2	3899	9.5	193154.4	+2514.3	3989	9.4	194340.1	+2514.6	4079	9.1	195657.1	+2554.6
3810	8.6	191646.9	+2502.6	3900	7.5	193157.0	+2541.3	3990	9.5	194341.0	+2523.9	4080	9.4	195700.2	+2558.5
3811	5.5	191654.7	+2559.4	3901	9.2	193158.3	+2536.1	3991	9.1	194348.9	+2551.3	4081	9.4	195700.8	+2551.7
3812	9.2	191655.7	+2511.6	3902	9.4	193220.3	+2522.1	3992	9.5	194352.9	+2555.6	4082	9.5	195745.7	+2523.2
3813	8.6	191710.8	+2538.5	3903	7.7	193230.1	+2539.1	3993	9.5	194413.7	+2528.6	4083	8.8	195757.7	+2552.1
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3815	9.5	191750.6	+2551.8	3905	9.5	193253.1	+2539.8	3995	9.2	194425.4	+2553.3	4085	8.0	195805.7	+2523.2
3816	9.5	191750.7	+2527.0	3906	9.4	193254.4	+2519.5	3996	9.4	194443.5	+2507.7	4086	9.5	195822.4	+2559.3
3817	9.5	191755.4	+2558.4	3907	9.2	193312.4	+2556.9	3997	9.5	194457.8	+2512.4	4087	9.5	195825.8	+2541.3
3818	9.3	191813.9	+2514.8	3908	9.5	193313.2	+2528.0	3998	9.4	194500.6	+2534.9	4088	9.2	195830.1	+2555.3
3819	9.5	191839.9	+2543.5	3909	8.9	193323.5	+2545.0	3999	9.5	194501.1	+2531.3	4089	9.4	195844.2	+2531.5
3820	9.5	191856.2	+2526.0	3910	9.5	193332.4	+2503.9	4000	9.5	194528.0	+2547.6	4090	7.8	195849.9	+2539.5
3821	9.4	191856.7	+2515.8	3911	9.4	193342.1	+2553.9	4001	7.4	194535.8	+2551.3	4091	9.5	195854.5	+2502.6
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3824	8.1	191926.2	+2525.7	3914	8.9	193410.3	+2551.5	4004	7.4	194618.2	+2529.4	4094	9.5	195911.5	+2527.5
3825	9.4	191935.7	+2511.9	3915	8.9	193416.0	+2503.6	4005	9.2	194619.5	+2521.6	4095	9.4	195915.3	+2502.4
3826	8.8	191939.0	+2500.5	3916	9.5	193422.4	+2515.5	4006	8.5	194620.1	+2535.5	4096	9.5	195923.0	+2500.0
3827	7.5	191942.2	+2549.1	3917	7.7	193427.5	+2559.1	4007	9.3	194624.7	+2527.0	4097	7.8	195943.9	+2511.1
3828	9.5	191945.5	+2543.3	3918	9.1	193427.5	+2518.8	4008	9.5	194635.3	+2517.4	4098	9.5	195957.5	+2528.4
3829	9.5	191948.2	+2512.7	3919	9.2	193436.5	+2544.3	4009	9.5	194701.6	+2531.6	4099	8.2	195960.2	+2502.8
3830	9.5	191952.7	+2529.2	3920	9.5	193439.7	+2503.1	4010	9.1	194706.5	+2549.3	4100	9.5	195964.5	+2547.9
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3833	8.4	192030.3	+2518.7	3923	9.5	193447.2	+2535.1	4013	9.1	194724.6	+2537.2	4103	8.5	195969.6	+2516.4
3834	8.4	192035.4	+2512.3	3924	9.5	193514.9	+2554.6	4014	9.0	194725.8	+2520.8	4104	9.4	195970.3	+2512.6
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3837	9.4	192102.5	+2518.6	3927	9.5	193624.2	+2529.6	4017	9.5	194816.3	+2521.5	4107	9.4	200121.2	+2533.4
3838	8.2	192109.2	+2502.0	3928	8.8	193632.5	+2549.5	4018	8.6	194819.9	+2553.7	4108	9.5	200126.1	+2535.3
3839	9.2	192119.3	+2520.5	3929	9.4	193638.2	+2528.6	4019	8.8	194828.4	+2551.1	4109	9.5	200133.4	+2559.3
3840	9.5	192119.8	+2544.6	3930	9.5	193653.0	+2554.4	4020	8.1	194831.2	+2522.0	4110	9.5	200154.2	+2543.5
3841	9.5	192120.6	+2527.7	3931	9.1	193709.3	+2521.9	4021	9.4	194911.2	+2522.0	4111	8.8	200201.4	+2529.9
3842	9.5	192132.9	+2552.3	3932	9.5	193730.1	+2510.4	4022	9.5	194913.6	+2538.9	4112	9.2	200205.9	+2527.3
3843	8.5	192146.6	+2554.7	3933	5.8	193741.2	+2525.5	4023	9.2	194924.8	+2559.3	4113	8.1	200214.2	+2555.9
3844	8.3	192147.5	+2514.4	3934	9.4	193753.0	+2534.8	4024	9.0	194933.0	+2540.8	4114	9.1	200217.8	+2503.2
3845	9.5	192213.4	+2508.2	3935	9.5	193754.3	+2518.2	4025	9.2	194935.9	+2514.8	4115	8.8	200231.9	+2530.6
3846	9.5	192245.2	+2553.8	3936	9.5	193755.0	+2551.2	4026	9.0	194936.6	+2515.2	4116	7.8	200238.3	+2551.6
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3850	9.4	192329.8	+2556.3	3940	8.7	193822.1	+2537.3	4030	9.5	195014.2	+2533.9	4120	9.4	200314.5	+2540.3
3851	9.5	192338.1	+2506.2	3941	9.5	193825.9	+2552.7	4031	9.4	195032.6	+2537.2	4121	9.0	200317.3	+2546.9
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4818 8.0 224149.5 +2513.2
4819 9.5 224154.6 +2524.1
4820 7.5 224215.6 +2543.9
4821 9.3 224225.9 +2556.6
4822 9.1 224300.4 +2503.7
4823 9.2 224308.1 +2536.7
4824 9.2 224320.7 +2529.1
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4826 9.5 224357.9 +2556.2
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4831 9.5 224503.8 +2524.4
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4833 9.5 224621.5 +2555.8
4834 9.5 224623.9 +2551.3
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4836 9.5 224646.6 +2511.8
4837 9.0 224717.8 +2508.8
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4839 9.2 224756.4 +2500.4
4840 9.5 224809.3 +2525.4
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4843 9.1 224832.8 +2550.9
4844 9.5 224848.8 +2535.1
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4846 9.5 224946.3 +2520.7
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4849 9.5 225053.6 +2502.0
4850 9.5 225137.4 +2534.5
4851 9.5 225140.3 +2552.3
4852 9.0 225142.5 +2523.7
4853 9.5 225207.2 +2527.7
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4859 9.3 225333.7 +2509.7
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4869 9.4 225810.1 +2501.3
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4871 9.5 225825.5 +2517.4
4872 9.5 225827.3 +2549.1

+25 4873 22h58m

+24 158 0h52m

4873	9.5	225843.0	+2526.1	4962	9.4	232648.2	+2555.7	5052	9.3	235139.9	+2510.6	69	9.5	02256.1	+2440.0
4874	9.5	225856.4	+2528.1	4963	9.5	232649.0	+2514.1	5053	9.5	235147.5	+2553.3	70	9.5	02329.3	+2447.9
4875	9.5	225859.6	+2552.5	4964	9.4	232657.3	+2554.6	5054	30.0	235241.0	+2505.6	71	9.0	02413.6	+2454.6
4876	9.5	225906.9	+2534.4	4965	9.3	232707.2	+2556.3	5055	7.8	235306.1	+2502.4	72	9.0	02438.6	+2449.2
4877	9.5	225909.8	+2528.6	4966	9.5	232712.5	+2509.2	5056	9.4	235315.2	+2556.1	73	9.2	02456.2	+2457.9
4878	9.4	225918.5	+2516.1	4967	8.6	232713.0	+2554.9	5057	9.5	235339.6	+2549.1	74	9.2	02533.4	+2437.6
4879	9.5	225956.4	+2530.9	4968	9.3	232734.9	+2558.5	5058	8.5	235426.9	+2518.9	75	9.5	02550.5	+2410.0
4880	9.4	230105.5	+2506.4	4969	9.3	232802.9	+2509.8	5059	9.3	235427.6	+2534.5	76	9.1	02554.4	+2444.8
4881	9.1	230114.7	+2555.1	4970	9.4	232806.8	+2531.3	5060	9.5	235434.8	+2556.5	77	9.5	02558.9	+2430.0
4882	8.8	230123.4	+2545.7	4971	9.3	232807.7	+2502.3	5061	9.3	235443.4	+2513.8	78	9.5	02609.5	+2425.8
4883	9.5	230125.1	+2556.4	4972	9.4	232827.4	+2529.2	5062	9.3	235604.5	+2530.8	79	9.5	02610.6	+2433.3
4884	9.5	230131.0	+2525.1	4973	9.5	232837.1	+2500.3	5063	9.5	235609.4	+2545.8	80	7.9	02615.6	+2438.3
4885	8.0	230158.1	+2531.9	4974	9.5	232909.4	+2539.6	5064	9.5	235626.8	+2549.3	81	9.4	02702.9	+2436.5
4886	9.5	230200.9	+2551.6	4975	8.0	232912.1	+2528.5	5065	9.5	235639.4	+2552.1	82	5.5	02708.1	+2435.7
4887	9.4	230208.3	+2511.6	4976	9.0	232958.5	+2524.0	5066	9.5	235658.9	+2553.8	83	7.5	02746.6	+2418.9
4888	9.4	230250.4	+2509.3	4977	9.5	233106.0	+2544.7	5067	9.3	235724.8	+2506.2	84	9.5	02805.1	+2456.6
4889	9.5	230316.6	+2558.3	4978	9.4	233109.3	+2502.8	5068	6.2	235728.7	+2550.7	85	9.2	02807.1	+2451.4
4890	7.2	230338.6	+2545.4	4979	9.4	233128.4	+2556.7	5069	8.7	235731.8	+2554.3	86	9.1	02811.8	+2447.2
4891	8.0	230344.9	+2535.0	4980	8.1	233131.8	+2508.5	5070	9.5	235817.5	+2544.6	87	8.0	02912.4	+2422.7
4892	8.9	230355.3	+2539.7	4981	9.4	233224.5	+2508.7	5071	9.5	235924.5	+2519.5	88	8.3	03023.1	+2422.2
4893	9.3	230425.9	+2551.6	4982	9.0	233243.3	+2527.5	5072	9.5	235928.1	+2502.8	89	9.4	03053.1	+2403.5
4894	9.0	230447.7	+2514.8	4983	9.5	233337.7	+2514.1	5073	7.2	235955.6	+2539.4	90	8.3	03118.8	+2433.0
4895	8.4	230519.0	+2504.0	4984	9.5	233422.6	+2505.1	1	8.5	00045.0	+2429.6	91	9.0	03141.8	+2456.0
4896	9.0	230555.8	+2546.1	4985	9.2	233434.1	+2559.7	2	8.7	00103.5	+2406.5	92	9.3	03149.0	+2458.2
4897	9.5	230604.4	+2523.4	4986	9.5	233439.8	+2544.3	3	6.3	00124.6	+2439.2	93	9.5	03211.4	+2400.6
4898	9.2	230625.9	+2554.1	4987	8.3	233445.9	+2505.1	4	8.0	00146.6	+2429.0	94	9.0	03319.5	+2410.7
4899	9.4	230628.8	+2532.7	4988	9.5	233508.6	+2553.6	5	8.7	00155.4	+2406.0	95	9.0	03323.7	+2427.3
4900	9.5	230646.4	+2557.1	4989	9.5	233604.7	+2500.6	6	8.0	00238.4	+2424.5	96	9.4	03333.8	+2404.4
4901	9.3	230708.9	+2551.3	4990	9.4	233618.9	+2554.2	7	8.3	00245.1	+2444.1	97	9.5	03348.1	+2400.1
4902	9.4	230729.9	+2507.5	4991	9.2	233631.9	+2518.2	8	9.5	00301.9	+2400.9	98	9.1	03437.2	+2428.0
4903	8.5	230745.1	+2532.0	4992	9.3	233702.4	+2527.2	9	9.4	00306.2	+2434.1	99	8.8	03439.7	+2407.9
4904	9.0	230807.8	+2513.2	4993	9.1	233712.4	+2536.8	10	8.8	00319.6	+2400.8	100	9.5	03504.4	+2428.7
4905	8.0	230814.5	+2504.5	4994	9.5	233729.7	+2512.3	11	9.5	00328.4	+2446.2	101	9.4	03506.8	+2450.3
4906	9.5	230825.7	+2538.9	4995	9.5	233742.8	+2555.7	12	9.4	00330.7	+2425.1	102	9.5	03521.7	+2426.2
4907	8.6	230917.7	+2525.4	4996	8.8	233807.5	+2512.4	13	9.5	00437.3	+2458.5	103	9.3	03553.4	+2435.5
4908	9.2	230957.2	+2507.2	4997	9.0	233819.4	+2519.2	14	9.0	00443.1	+2415.5	104	7.9	03559.8	+2405.8
4909	9.2	231001.8	+2553.0	4998	7.3	233827.7	+2531.6	15	9.2	00521.5	+2428.4	105	9.1	03610.7	+2457.2
4910	9.4	231020.1	+2540.5	4999	9.5	233852.1	+2558.8	16	9.0	00620.7	+2445.2	106	9.5	03643.5	+2404.4
4911	9.5	231023.0	+2541.2	5000	9.0	233909.0	+2549.3	17	8.3	00633.4	+2451.8	107	9.0	03658.0	+2450.1
4912	9.4	231043.8	+2542.0	5001	8.8	233920.4	+2531.3	18	8.5	00657.9	+2440.7	108	9.0	03757.7	+2429.1
4913	9.2	231110.2	+2548.5	5002	9.0	233940.0	+2504.6	19	9.1	00743.4	+2424.9	109	9.0	03815.4	+2430.6
4914	9.0	231114.3	+2558.3	5003	9.1	233948.8	+2545.7	20	8.6	00746.6	+2435.5	110	9.4	03844.0	+2455.4
4915	9.3	231139.6	+2501.4	5004	8.5	234003.7	+2527.1	21	9.4	00800.2	+2432.3	111	9.5	03856.6	+2459.4
4916	9.4	231159.1	+2529.3	5005	7.5	234005.1	+2520.6	22	9.4	00824.4	+2426.5	112	9.5	03909.3	+2404.3
4917	8.0	231216.6	+2542.2	5006	9.1	234007.2	+2529.6	23	9.5	00952.5	+2414.5	113	9.5	03932.5	+2408.1
4918	9.4	231229.7	+2521.7	5007	9.5	234035.0	+2517.5	24	9.4	00957.1	+2424.2	114	9.5	03945.3	+2446.0
4919	9.5	231234.0	+2519.0	5008	9.4	234102.1	+2511.7	25	9.3	01001.0	+2443.4	115	8.3	03957.7	+2444.5
4920	9.5	231234.0	+2529.1	5009	8.9	234113.4	+2546.5	26	9.4	01009.4	+2441.7	116	9.2	04003.8	+2401.6
4921	9.4	231251.9	+2524.7	5010	9.3	234124.7	+2511.0	27	9.5	01019.9	+2403.5	117	9.2	04007.9	+2417.0
4922	9.5	231253.4	+2506.8	5011	9.5	234134.8	+2546.7	28	9.3	01024.8	+2400.5	118	8.8	04023.2	+2445.7
4923	8.8	231338.6	+2557.0	5012	8.0	234136.1	+2531.2	29	8.8	01111.4	+2455.9	119	8.9	04113.2	+2405.3
4924	9.5	231340.1	+2525.1	5013	9.5	234136.4	+2554.0	30	8.4	01331.8	+2409.0	120	9.3	04121.9	+2414.0
4925	6.3	231452.0	+2550.5	5014	9.0	234147.1	+2515.5	31	7.5	01337.4	+2431.7	121	9.0	04155.4	+2457.6
4926	9.5	231507.2	+2538.5	5015	8.3	234232.4	+2520.8	32	9.0	01342.5	+2443.4	122	9.0	04220.2	+2440.5
4927	9.2	231512.9	+2515.0	5016	9.4	234236.7	+2515.7	33	8.5	01345.0	+2453.0	123	7.4	04254.8	+2447.4
4928	6.6	231520.4	+2507.1	5017	8.5	234301.2	+2531.7	34	9.3	01415.1	+2405.3	124	8.9	04415.9	+2403.9
4929	9.5	231547.2	+2533.0	5018	9.5	234303.8	+2522.0	35	9.3	01421.6	+2400.9	125	9.5	04419.2	+2432.9
4930	9.5	231556.7	+2529.5	5019	9.5	234315.0	+2511.0	36	9.0	01428.4	+2427.6	126	9.3	04424.3	+2428.1
4931	9.5	231627.8	+2505.5	5020	9.5	234321.3	+2514.1	37	9.5	01457.9	+2448.6	127	9.0	04428.9	+2455.6
4932	9.3	231703.6	+2544.7	5021	9.5	234351.2	+2545.5	38	9.5	01458.8	+2405.1	128	7.5	04437.5	+2459.4
4933	8.8	231704.0	+2551.6	5022	9.4	234553.5	+2501.2	39	9.3	01503.2	+2448.8	129	8.0	04553.2	+2408.3
4934	9.4	231743.4	+2536.1	5023	8.9	234553.6	+2524.8	40	9.5	01519.0	+2448.6	130	8.9	04556.4	+2436.7
4935	7.5	231823.5	+2524.3	5024	9.5	234430.6	+2559.8	41	9.2	01523.4	+2455.0	131	9.4	04559.3	+2455.3
4936	9.4	231903.7	+2554.7	5025	9.5	234434.7	+2516.2	42	9.0	01529.2	+2451.5	132	8.9	04603.4	+2419.5
4937	9.1	231912.9	+2545.9	5026	9.5	234438.8	+2518.8	43	9.5	01545.3	+2404.0	133	7.0	04615.2	+2441.9
4938	9.5	231958.7	+2516.5	5027	9.4	234449.3	+2552.5	44	8.8	01552.0	+2400.7	134	8.8	04626.6	+2426.2
4939	9.4	232000.8	+2526.9	5028	9.4	234449.9	+2546.5	45	9.0	01601.7	+2421.4	135	8.0	04633.1	+2434.6
4940	9.5	232009.4	+2528.6	5029	9.2	234456.1	+2511.3	46	9.5	01724.5	+2458.4	136	8.0	04638.8	+2456.0
4941	8.7	232101.4	+2506.8	5030	9.2	234505.7	+2533.0	47	9.3	01759.9	+2430.0	137	9.0	04660.0	+2438.8
4942	9.5	232104.7	+2512.4	5031	9.5	234525.5	+2538.8	48	9.5	01802.6	+2415.2	138	9.5	04702.6	+2400.7
4943	9.5	232113.8	+2517.8	5032	9.5	234530.8	+2552.6	49	9.5	01819.2	+2427.9	139	9.1	04712.1	+2405.8
4944	9.5	232136.2	+2505.7	5033	9.5	234538.1	+2541.6	50	9.3	01854.3	+2457.7	140	9.5	04713.6	+2414.3
4945	8.8	232200.7	+2506.1	5034	7.5	234545.5	+2511.6	51	9.3	01905.7	+2430.0	141	9.5	04745.9	+2410.9
4946	8.4	232208.2	+2501.0	5035	9.2	234549.6	+2553.7	52	6.5	01928.6	+2414.2	142	9.5	04747.4	+2405.0
4947	9.4	232210.6	+2520.4	5036	9.3	234606.1	+2545.0	53	7.2	01938.6	+2447.2	143	9.3	04811.3	+2414.4
4948															

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159	9.5	05257.7	+2459.9	249	9.4	13438.5	+2408.4	339	8.8	21439.7	+2431.9	429	9.5	25531.9	+2441.1
160	9.4	05313.2	+2406.9	250	9.0	13439.0	+2434.1	340	8.8	21445.3	+2400.4	430	9.5	25633.8	+2455.8
161	9.3	05350.0	+2423.0	251	9.5	13500.3	+2417.1	341	9.5	21453.4	+2454.4	431	6.0	25658.9	+2441.2
162	9.5	05354.0	+2405.8	252	9.3	13514.4	+2454.7	342	9.5	21521.7	+2457.2	432	9.1	25729.2	+2440.6
163	6.5	05354.8	+2431.2	253	9.1	13611.4	+2426.1	343	9.5	21553.3	+2422.1	433	8.8	25735.3	+2451.8
164	9.3	05417.9	+2425.6	254	9.5	13733.3	+2458.8	344	8.0	21643.6	+2450.1	434	9.5	25740.0	+2400.2
165	9.5	05424.8	+2423.9	255	9.4	13738.6	+2454.8	345	9.5	21644.0	+2457.4	435	9.4	25839.1	+2443.5
166	9.5	05441.7	+2454.9	256	8.7	13743.5	+2406.5	346	8.5	21711.4	+2411.3	436	9.5	25913.4	+2401.7
167	9.0	05457.2	+2404.6	257	8.3	13746.0	+2419.2	347	7.3	21734.1	+2429.9	437	8.2	25919.6	+2459.1
168	9.4	05526.9	+2446.0	258	8.2	13758.3	+2403.2	348	9.4	21737.8	+2444.6	438	8.8	25935.6	+2400.7
169	8.6	05616.4	+2427.4	259	9.3	13824.6	+2422.3	349	9.4	21738.9	+2451.2	439	9.1	25957.2	+2441.2
170	9.4	05632.4	+2405.0	260	9.2	13829.3	+2401.0	350	9.5	21835.4	+2435.2	440	9.3	30007.2	+2457.5
171	9.4	05633.6	+2426.6	261	9.0	13847.0	+2430.6	351	9.0	21907.6	+2459.5	441	8.5	30021.7	+2448.4
172	9.5	05705.5	+2433.6	262	9.0	13901.0	+2414.4	352	9.5	21927.9	+2416.1	442	9.5	30038.5	+2412.5
173	8.5	05706.8	+2410.2	263	9.3	13958.3	+2446.1	353	9.5	21940.9	+2454.4	443	9.2	30056.6	+2426.7
174	9.5	05809.5	+2459.0	264	7.3	14107.4	+2400.3	354	9.5	22009.9	+2454.0	444	9.5	30112.3	+2404.0
175	9.4	05809.9	+2416.0	265	9.2	14142.7	+2401.7	355	9.3	22031.1	+2434.1	445	9.4	30117.2	+2457.1
176	9.4	05811.0	+2450.8	266	9.2	14240.9	+2457.3	356	9.5	22037.3	+2456.5	446	9.3	30125.5	+2452.0
177	9.2	05822.8	+2423.6	267	8.7	14242.3	+2433.7	357	9.5	22140.6	+2452.6	447	9.4	30138.2	+2439.5
178	9.0	05835.0	+2406.7	268	9.5	14405.4	+2408.6	358	6.2	22212.6	+2434.9	448	8.7	30139.1	+2405.7
179	9.5	05839.7	+2441.7	269	8.6	14413.4	+2444.5	359	9.2	22217.5	+2438.1	449	8.7	30140.2	+2444.7
180	8.9	05916.9	+2404.1	270	9.3	14423.9	+2443.4	360	9.4	22218.6	+2418.4	450	8.9	30234.0	+2401.7
181	9.3	05938.0	+2403.3	271	9.5	14507.2	+2411.1	361	9.3	22220.4	+2443.0	451	8.3	30347.1	+2458.7
182	8.6	05939.4	+2411.9	272	9.5	14600.7	+2432.4	362	9.4	22237.3	+2409.4	452	9.5	30510.3	+2426.7
183	9.5	10117.9	+2419.8	273	9.0	14609.2	+2404.6	363	9.5	22320.4	+2458.5	453	9.5	30605.2	+2417.7
184	9.4	10202.3	+2455.7	274	9.1	14622.4	+2432.3	364	8.9	22409.4	+2450.4	454	8.7	30620.6	+2423.2
185	9.5	10210.5	+2405.5	275	9.5	14637.2	+2404.1	365	9.5	22442.0	+2412.3	455	9.2	30622.2	+2427.0
186	6.0	10227.9	+2441.9	276	9.3	14700.3	+2459.0	366	9.1	22527.0	+2437.6	456	9.1	30655.2	+2459.3
187	8.9	10250.3	+2456.9	277	9.1	14740.4	+2442.2	367	9.3	22531.2	+2411.7	457	8.4	30709.0	+2400.2
188	9.5	10459.6	+2412.1	278	9.1	14740.9	+2449.9	368	8.5	22614.8	+2424.1	458	9.5	30732.9	+2415.2
189	8.0	10529.3	+2441.5	279	9.3	14742.6	+2403.7	369	8.2	22616.6	+2415.1	459	8.9	30740.3	+2451.2
190	8.2	10540.9	+2414.3	280	9.2	14811.7	+2437.2	370	9.5	22705.3	+2403.0	460	9.0	30746.5	+2453.2
191	9.2	10559.2	+2411.3	281	9.3	14825.0	+2412.0	371	9.5	22740.5	+2456.5	461	8.7	30800.8	+2456.8
192	9.4	10628.0	+2404.9	282	8.8	14841.8	+2428.8	372	9.5	22752.1	+2453.8	462	9.5	30840.9	+2456.8
193	9.4	10632.1	+2408.1	283	8.0	14858.7	+2401.6	373	9.5	22809.8	+2423.1	463	9.1	30909.0	+2403.5
194	9.5	10903.5	+2400.7	284	9.3	15009.4	+2408.8	374	9.5	22824.1	+2454.8	464	7.5	30932.8	+2420.8
195	9.5	11031.5	+2452.2	285	9.3	15022.0	+2447.2	375	7.5	22836.6	+2401.3	465	9.5	31012.0	+2445.8
196	9.3	11108.0	+2414.4	286	9.5	15025.4	+2440.3	376	7.0	22839.2	+2401.1	466	9.5	31023.3	+2457.0
197	9.5	11214.8	+2439.6	287	8.8	15027.3	+2422.8	377	9.4	23034.5	+2404.4	467	9.2	31024.5	+2458.8
198	7.8	11308.3	+2424.1	288	7.7	15109.7	+2408.1	378	9.5	23104.4	+2417.5	468	9.5	31106.6	+2414.6
199	9.2	11325.5	+2455.9	289	9.2	15132.9	+2422.4	379	9.5	23113.0	+2446.9	469	9.3	31113.7	+2408.3
200	8.3	11341.7	+2404.6	290	9.0	15133.2	+2446.7	380	9.4	23124.0	+2440.9	470	9.5	31133.4	+2447.9
201	9.1	11341.7	+2451.7	291	9.3	15156.8	+2401.5	381	8.3	23247.2	+2459.3	471	7.9	31155.4	+2400.8
202	9.3	11343.4	+2432.0	292	8.6	15215.0	+2422.0	382	9.1	23250.1	+2405.9	472	9.4	31334.9	+2414.2
203	9.0	11346.0	+2429.3	293	9.5	15215.2	+2401.5	383	9.5	23337.7	+2459.2	473	9.1	31337.2	+2457.0
204	8.9	11404.9	+2419.0	294	8.8	15303.6	+2429.9	384	9.5	23358.5	+2454.4	474	9.1	31342.5	+2459.7
205	8.5	11427.5	+2406.3	295	9.5	15342.1	+2413.7	385	9.5	23402.5	+2440.5	475	9.0	31358.3	+2404.2
206	9.1	11442.0	+2442.7	296	8.7	15522.5	+2430.3	386	9.3	23425.7	+2401.8	476	8.5	31401.4	+2421.9
207	9.3	11502.0	+2457.3	297	9.5	15549.0	+2442.1	387	9.5	23429.7	+2406.8	477	9.4	31434.5	+2409.7
208	9.5	11518.9	+2409.3	298	8.0	15623.8	+2444.1	388	9.5	23548.5	+2438.3	478	9.3	31508.9	+2454.0
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880	9.4	52728.7	+2452.9	970	5.3	54007.3	+2430.9	1060	9.4	55212.2	+2403.4	1150	9.5	60224.7	+2433.0
881	9.0	52734.8	+2403.9	971	9.5	54020.1	+2415.8	1061	9.5	55223.9	+2438.8	1151	6.7	60238.9	+2426.7
882	8.2	52735.2	+2416.0	972	9.2	54024.8	+2409.3	1062	9.0	55223.9	+2424.1	1152	9.5	60255.1	+2401.3
883	9.5	52738.6	+2416.0	973	8.0	54027.7	+2410.6	1063	9.5	55232.1	+2428.5	1153	8.6	60258.7	+2444.6
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887	9.5	52805.2	+2418.5	977	9.4	54059.5	+2403.9	1067	9.0	55254.0	+2433.0	1157	9.5	60327.4	+2458.1
888	9.3	52805.6	+2428.1	978	9.5	54118.0	+2437.5	1068	9.5	55309.5	+2450.3	1158	9.5	60330.7	+2429.7
889	9.0	52816.9	+2408.3	979	9.2	54132.3	+2421.1	1069	9.4	55310.0	+2446.5	1159	8.8	60335.2	+2457.2
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891	9.5	52820.7	+2439.3	981	9.5	54147.4	+2446.1	1071	8.7	55330.8	+2445.9	1161	8.8	60356.7	+2427.0
892	9.4	52834.9	+2459.2	982	9.5	54154.8	+2435.2	1072	9.4	55353.7	+2454.4	1162	9.5	60408.7	+2404.5
893	9.3	52836.4	+2422.5	983	9.5	54204.5	+2424.6	1073	9.5	55407.1	+2451.6	1163	9.3	60445.4	+2410.7
894	8.8	52902.5	+2407.8	984	9.0	54205.7	+2453.5	1074	9.0	55417.7	+2417.1	1164	9.3	60446.6	+2432.9
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897	9.1	52933.3	+2454.1	987	9.5	54233.7	+2435.5	1077	9.5	55425.8	+2447.5	1167	9.5	60515.7	+2420.1
898	9.5	52936.7	+2454.6	988	9.5	54242.9	+2421.8	1078	9.3	55442.5	+2449.5	1168	8.0	60517.4	+2401.5
899	9.5	52941.7	+2425.6	989	8.7	54245.2	+2439.7	1079	8.8	55505.7	+2443.6	1169	9.3	60532.8	+2440.3
900	9.5	52954.7	+2411.1	990	9.3	54254.5	+2428.6	1080	8.9	55511.2	+2458.7	1170	9.5	60538.7	+2426.1
901	9.5	52955.2	+2412.2	991	9.4	54300.0	+2455.3	1081	9.4	55543.0	+2400.4	1171	9.4	60541.6	+2445.5
902	9.4	53001.9	+2455.3	992	9.4	54315.6	+2436.8	1082	9.5	55543.5	+2421.3	1172	9.5	60548.4	+2408.6
903	9.4	53000.6	+2454.1	993	9.5	54318.9	+2421.1	1083	9.5	55558.1	+2403.5	1173	9.5	60603.7	+2439.5
904	9.4	53011.7	+2417.5	994	9.5	54323.8	+2406.2	1084	9.4	55558.8	+2401.8	1174	8.5	60610.7	+2435.8
905	9.5	53018.7	+2407.6	995	8.6	54337.7	+2405.3	1085	9.4	55602.9	+2431.8	1175	9.2	60619.7	+2403.7
906	9.5	53039.0	+2408.4	996	8.8	54342.7	+2410.8	1086	8.7	55615.7	+2420.4	1176	9.0	60658.5	+2406.4
907	9.4	53055.6	+2431.6	997	9.5	54357.4	+2449.3	1087	9.5	55649.4	+2409.0	1177	9.5	60658.8	+2455.0
908	9.4	53058.8	+2427.2	998	9.5	54358.5	+2455.3	1088	9.5	55652.3	+2419.7	1178	9.0	60701.7	+2410.4
909	7.0	53100.2	+2408.4	999	9.5	54402.3	+2403.4	1089	9.5	55706.7	+2458.6	1179	9.5	60705.6	+2425.7
910	9.5	53115.7	+2428.2	1000	9.5	54407.2	+2432.0	1090	9.5	55741.7	+2427.5	1180	9.0	60713.8	+2415.1
911	8.9	53121.2	+2453.2	1001	9.4	54408.9	+2439.9	1091	9.4	55746.5	+2417.6	1181	9.5	60723.7	+2450.1
912	9.4	53122.7	+2425.5	1002	9.4	54409.5	+2433.0	1092	8.6	55748.1	+2445.5	1182	6.5	60728.0	+2400.4
913	7.2	53124.8	+2427.4	1003	9.5	54412.7	+2456.3	1093	9.2	55748.8	+2459.2	1183	9.5	60736.1	+2412.1
914	9.5	53136.3	+2420.2	1004	9.5	54419.2	+2431.2	1094	9.2	55750.5	+2407.8	1184	9.3	60739.7	+2406.4
915	9.5	53142.9	+2435.5	1005	9.4	54423.0	+2413.3	1095	8.7	55759.6	+2419.5	1185	9.5	60753.7	+2407.4
916	9.5	53143.4	+2442.2	1006	9.2	54425.0	+2402.6	1096	8.8	55801.5	+2433.0	1186	9.5	60802.0	+2417.5
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918	8.2	53215.4	+2415.7	1008	9.4	54450.8	+2400.2	1098	9.4	55820.5	+2413.6	1188	9.0	60840.8	+2435.3
919	8.9	53248.9	+2413.2	1009	9.5	54507.2	+2414.4	1099	9.5	55836.7	+2458.0	1189	9.5	60842.8	+2455.7
920	7.8	53303.9	+2414.2	1010	8.7	54512.2	+2403.3	1100	9.5	55837.7	+2453.0	1190	9.5	60853.2	+2421.8
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923	9.5	53321.2	+2410.0	1013	9.3	54552.2	+2459.4	1103	9.3	55844.0	+2410.0	1193	9.5	60938.7	+2459.8
924	9.5	53327.1	+2416.5	1014	9.5	54557.9	+2450.9	1104	9.5	55852.7	+2410.7	1194	9.5	60940.6	+2430.9
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2326 9.5 110443.5 +2449.1	2416 8.5 115138.6 +2443.1	2505 9.1 124531.2 +2429.7	2595 9.3 132445.5 +2430.9
2327 8.9 110447.7 +2418.2	2417 8.6 115229.1 +2446.5	2506 9.4 124745.6 +2449.7	2596 9.5 132647.9 +2445.0
2328 9.2 110456.0 +2413.0	2418 8.9 115342.9 +2438.4	2507 9.5 124755.7 +2425.9	2597 9.4 132722.2 +2457.4
2329 9.5 110523.6 +2429.0	2419 9.4 115343.8 +2439.8	2508 8.8 124859.8 +2422.3	2598 9.5 132728.7 +2457.4
2330 9.5 110533.1 +2427.5	2420 9.0 115528.5 +2458.9	2509 9.3 124945.6 +2459.9	2599 9.1 132741.6 +2422.5
2331 9.2 110542.9 +2441.6	2421 9.5 115640.7 +2400.1	2510 9.5 125049.1 +2420.0	2600 9.5 132749.0 +2457.8
2332 7.8 110621.5 +2438.5	2422 7.8 115645.7 +2455.7	2511 9.5 125105.8 +2416.8	2601 9.3 132821.9 +2447.3
2333 9.5 110718.2 +2458.5	2423 9.5 115829.1 +2419.3	2512 9.5 125107.0 +2430.6	2602 9.3 132851.6 +2447.1
2334 9.5 110733.5 +2420.1	2424 6.8 115836.3 +2400.0	2513 9.1 125128.3 +2456.2	2603 9.3 132856.8 +2442.4
2335 9.5 110749.0 +2417.8	2425 9.4 115912.3 +2405.5	2514 9.1 125132.3 +2402.8	2604 7.4 132916.5 +2439.8
2336 9.5 110810.1 +2453.0	2426 9.1 115922.3 +2456.3	2515 9.5 125217.7 +2426.6	2605 9.1 132947.2 +2418.0
2337 9.5 111027.9 +2459.7	2427 9.5 120016.6 +2451.3	2516 9.1 125246.8 +2458.4	2606 9.5 132949.7 +2435.6
2338 9.5 111035.2 +2402.7	2428 8.9 120038.7 +2430.7	2517 9.5 125259.0 +2456.4	2607 8.7 133010.5 +2402.6
2339 9.0 111055.8 +2452.0	2429 8.8 120043.2 +2441.5	2518 8.9 125304.0 +2429.6	2608 9.1 133130.6 +2419.1
2340 9.3 111120.3 +2416.8	2430 9.5 120239.6 +2403.5	2519 9.5 125306.5 +2446.6	2609 9.5 133139.2 +2418.1
2341 9.5 111129.9 +2445.4	2431 9.1 120301.1 +2406.9	2520 9.5 125309.4 +2454.4	2610 9.0 133159.7 +2416.0
2342 9.3 111158.0 +2421.6	2432 9.5 120311.0 +2459.5	2521 9.5 125330.6 +2452.5	2611 7.6 133204.8 +2459.1
2343 9.5 111208.1 +2441.9	2433 8.5 120404.2 +2401.3	2522 7.5 125333.2 +2426.4	2612 7.0 133207.7 +2451.8
2344 8.5 111254.0 +2424.4	2434 9.5 120411.6 +2420.6	2523 9.5 125339.3 +2407.7	2613 9.4 133221.2 +2413.9
2345 9.0 111307.1 +2449.4	2435 9.5 120418.1 +2454.1	2524 9.3 125353.9 +2454.4	2614 9.5 133245.7 +2440.5
2346 9.0 111315.7 +2436.5	2436 6.6 120423.9 +2407.8	2525 9.0 125406.7 +2407.6	2615 9.2 133252.5 +2404.2
2347 9.5 111332.5 +2411.0	2437 9.5 120514.1 +2421.1	2526 9.3 125409.3 +2423.4	2616 9.5 133304.1 +2456.6
2348 8.9 111450.7 +2426.1	2438 9.5 120535.8 +2457.4	2527 9.2 125523.8 +2430.7	2617 9.5 133321.2 +2458.2
2349 9.5 111620.0 +2416.6	2439 8.9 120607.2 +2403.8	2528 6.8 125528.1 +2416.8	2618 9.4 133412.2 +2424.7
2350 9.1 111634.0 +2424.0	2440 9.5 120626.1 +2416.7	2529 8.5 125530.6 +2405.3	2619 9.4 133415.5 +2402.7
2351 9.4 111634.5 +2409.4	2441 7.5 120707.6 +2428.7	2530 8.3 125606.3 +2456.1	2620 9.1 133420.8 +2413.9
2352 9.5 111733.9 +2443.2	2442 9.5 120806.6 +2427.7	2531 6.5 125610.7 +2435.9	2621 9.5 133506.2 +2450.4
2353 9.5 111815.5 +2450.5	2443 5.3 120901.4 +2446.9	2532 8.6 125635.8 +2425.8	2622 9.0 133529.1 +2456.1
2354 9.5 111850.2 +2429.6	2444 9.1 121119.0 +2407.0	2533 9.5 125652.8 +2459.3	2623 9.5 133542.6 +2413.8
2355 9.4 111913.4 +2451.6	2445 8.3 121138.5 +2422.5	2534 9.4 125755.0 +2413.8	2624 7.1 133545.0 +2402.2
2356 9.3 111935.8 +2456.2	2446 9.0 121227.9 +2448.0	2535 8.8 125800.7 +2436.3	2625 9.3 133627.9 +2402.2
2357 8.8 111944.9 +2407.5	2447 9.5 121233.1 +2427.3	2536 9.0 125805.1 +2457.2	2626 9.0 133651.4 +2413.2
2358 9.3 111949.8 +2418.4	2448 8.8 121331.4 +2454.5	2537 8.6 125844.3 +2437.8	2627 8.8 133717.3 +2405.4
2359 9.4 111951.2 +2421.9	2449 9.5 121547.0 +2457.0	2538 9.5 130024.7 +2438.6	2628 9.5 133743.2 +2441.5
2360 8.5 111954.7 +2450.5	2450 9.5 121550.3 +2412.9	2539 8.3 130041.1 +2446.8	2629 8.0 133745.6 +2423.6
2361 9.3 112020.0 +2453.8	2451 8.7 121617.6 +2413.6	2540 8.7 130042.0 +2447.5	2630 9.4 133909.9 +2444.8
2362 9.5 112349.2 +2436.5	2452 8.8 121646.0 +2446.2	2541 9.1 130052.0 +2424.3	2631 9.5 133921.2 +2456.9
2363 9.3 112357.8 +2403.8	2453 9.0 121659.6 +2420.1	2542 9.3 130105.8 +2410.6	2632 9.4 133929.7 +2430.1
2364 8.9 112406.9 +2403.3	2454 9.5 121729.1 +2443.7	2543 9.5 130108.3 +2447.3	2633 9.5 133930.6 +2405.8
2365 9.5 112503.0 +2434.8	2455 6.0 121757.3 +2444.5	2544 9.3 130127.2 +2436.2	2634 9.5 133939.2 +2448.4
2366 9.5 112506.7 +2451.9	2456 9.5 121804.1 +2418.0	2545 9.5 130149.7 +2403.5	2635 9.1 133940.0 +2452.9
2367 9.5 112622.5 +2425.8	2457 8.0 121805.6 +2402.2	2546 8.0 130218.7 +2441.3	2636 9.5 134019.7 +2456.6
2368 9.4 112655.9 +2403.0	2458 7.5 121822.6 +2410.0	2547 9.5 130231.6 +2434.1	2637 8.3 134108.0 +2451.1
2369 8.3 112703.2 +2408.1	2459 9.3 121858.3 +2458.1	2548 9.5 130242.3 +2416.9	2638 9.5 134123.2 +2408.0
2370 9.2 112742.3 +2408.6	2460 9.2 121935.2 +2402.9	2549 8.9 130333.1 +2415.8	2639 9.1 134129.6 +2419.8
2371 8.5 112808.9 +2429.2	2461 9.4 121948.1 +2415.6	2550 9.5 130352.2 +2458.2	2640 9.3 134132.1 +2408.4
2372 9.5 113042.7 +2454.8	2462 9.4 122003.7 +2408.0	2551 9.2 130521.0 +2418.1	2641 7.8 134137.8 +2449.5
2373 8.3 113046.7 +2413.3	2463 9.5 122136.1 +2454.2	2552 9.2 130526.7 +2427.8	2642 9.5 134150.2 +2454.3
2374 7.0 113108.5 +2407.8	2464 5.7 122211.7 +2442.7	2553 9.4 130549.6 +2442.3	2643 9.4 134151.5 +2446.0
2375 8.0 113119.7 +2433.4	2465 9.3 122256.4 +2454.7	2554 9.4 130648.2 +2430.9	2644 9.1 134153.2 +2446.0
2376 9.3 113223.0 +2414.4	2466 7.5 122349.5 +2435.6	2555 9.5 130707.8 +2457.0	2645 9.5 134229.9 +2459.3
2377 9.0 113230.7 +2454.7	2467 7.3 122437.2 +2404.8	2556 9.1 130711.1 +2405.4	2646 9.5 134330.1 +2405.3
2378 6.9 113235.0 +2430.8	2468 8.9 122523.4 +2403.7	2557 9.5 130912.3 +2407.8	2647 9.4 134341.7 +2417.0
2379 8.8 113240.7 +2422.6	2469 9.3 122527.7 +2436.0	2558 9.3 130923.5 +2457.6	2648 9.1 134346.7 +2421.8
2380 9.1 113251.7 +2424.2	2470 8.0 122531.6 +2414.3	2559 8.6 131034.0 +2424.3	2649 8.3 134411.1 +2421.8
2381 9.1 113339.1 +2455.7	2471 8.7 122543.0 +2439.1	2560 9.1 131127.4 +2406.3	2650 8.5 134414.2 +2429.1
2382 9.5 113403.2 +2412.0	2472 9.2 122630.4 +2444.6	2561 9.5 131215.6 +2442.6	2651 9.5 134501.2 +2431.5
2383 7.8 113422.7 +2415.1	2473 9.4 122638.0 +2445.6	2562 9.5 131223.2 +2429.1	2652 8.5 134524.0 +2402.4
2384 8.5 113453.5 +2443.6	2474 9.4 122711.1 +2415.0	2563 8.3 131253.5 +2423.6	2653 9.5 134531.1 +2449.1
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2386 7.0 113615.0 +2448.5	2476 9.5 122834.2 +2414.5	2565 9.5 131308.1 +2431.9	2655 8.9 134600.5 +2409.7
2387 9.3 113620.0 +2452.7	2477 8.8 122930.5 +2427.0	2566 9.1 131323.4 +2422.5	2656 8.1 134603.5 +2403.9
2388 9.1 113705.8 +2452.7	2478 8.8 123055.6 +2429.7	2567 9.2 131348.6 +2442.5	2657 9.5 134612.4 +2456.1
2389 9.1 113759.2 +2425.4	2479 8.8 123118.7 +2436.4	2568 9.5 131357.4 +2415.7	2658 7.7 134639.8 +2453.2
2390 9.3 113834.5 +2405.1	2480 8.6 123131.1 +2426.6	2569 9.4 131402.2 +2434.2	2659 9.0 134642.2 +2452.2
2391 9.5 113906.5 +2415.1	2481 8.8 123301.9 +2421.4	2570 8.3 131413.1 +2415.0	2660 8.9 134732.1 +2412.9
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2394 6.8 113930.1 +2431.1	2484 9.5 123400.7 +2416.6	2573 9.5 131517.0 +2408.5	2663 8.8 134838.2 +2434.9
2395 9.4 113956.3 +2413.2	2485 9.4 123500.1 +2440.3	2574 9.2 131533.1 +2413.3	2664 9.5 134912.4 +2455.3
2396 9.5 114135.4 +2403.9	2486 9.4 123514.3 +2459.4	2575 9.4 131622.5 +2426.0	2665 9.5 134924.1 +2430.9
2397 9.5 114152.6 +2454.4	2487 9.1 123558.4 +2403.6	2576 9.5 131756.4 +2440.3	2666 8.8 135001.0 +2416.1
2398 9.5 114247.0 +2459.1	2488 8.6 123616.1 +2448.0	2577 9.5 131759.4 +2455.1	2667 9.4 135006.0 +2426.1
2399 9.5 114345.1 +2453.9	2489 8.0 123754.0 +2473.3	2578 5.5 131815.0 +2436.0	2668 8.4 135034.8 +2405.4
2400 9.5 114352.5 +2430.9	2490 8.8 123839.4 +2414.4	2579 9.3 131848.2 +2427.1	2669 9.1 135036.9 +2420.3
2401 9.4 114412.7 +2432.9	2491 8.3 123914.5 +2406.6	2580 9.5 131903.7 +2415.3	2670 8.1 135044.0 +2415.5
2402 9.2 114524.1 +2426.5	2492 9.0 123919.6 +2429.7	2581 9.1 131906.7 +2438.0	2671 8.3 135132.0 +2440.3
2403 9.2 114524.2 +2435.0	2493 6.5 123925.7 +2456.5	2582 9.5 131928.6 +2428.1	2672 9.5 135137.3 +2451.7
2404 9.5 114552.6 +2428.9	2494 9.3 123959.6 +2430.7	2583 8.2 131933.5 +2418.5	2673 9.2 135233.3 +2431.5
2405 8.5 114703.6 +2437.2	2495 7.1 124051.6 +2453.5	2584 8.4 132002.8 +2414.1	2674 9.5 135309.0 +2455.0
2406 9.5 114729.9 +2407.7	2496 9.1 124053.0 +2451.5	2585 9.4 132040.7 +2420.5	2675 9.0 135310.2 +2400.0
2407 9.0 114835.1 +2416.0	2497 9.1 124247.9 +2438.0	2586 9.4 132131.0 +2457.3	2676 9.5 135350.1 +2404.1
2408 9.5 114836.6 +2453.5		2587 8.7 132145.0 +2402.5	2677 9.5 135428.1 +2418.3

+24 2678 13h55m

+24 3037 16h32m

2678	9.4	135521.0	+2443.0	2768	9.3	143851.7	+2434.5	2858	9.5	151836.9	+2428.3	2948	9.1	155156.0	+2447.7
2679	9.4	135603.3	+2410.3	2769	9.5	143909.3	+2456.3	2859	9.5	151904.8	+2429.2	2949	9.5	155232.6	+2416.8
2680	9.1	135638.0	+2451.0	2770	8.8	143924.7	+2420.3	2860	9.4	151910.4	+2402.2	2950	9.4	155247.2	+2412.7
2681	9.5	135650.8	+2456.0	2771	9.0	144000.7	+2413.2	2861	9.5	151955.6	+2407.5	2951	9.5	155316.3	+2420.1
2682	9.4	135651.2	+2405.3	2772	9.5	144005.5	+2406.3	2862	8.2	152024.2	+2405.2	2952	8.8	155332.7	+2400.4
2683	9.4	135759.6	+2446.9	2773	9.4	144029.3	+2434.4	2863	9.5	152043.1	+2433.0	2953	9.4	155349.1	+2454.2
2684	9.2	135810.2	+2459.4	2774	9.3	144038.5	+2426.1	2864	8.4	152046.8	+2423.7	2954	7.5	155351.4	+2441.8
2685	7.8	135937.7	+2405.8	2775	8.3	144050.7	+2423.4	2865	9.5	152050.5	+2422.1	2955	9.5	155402.0	+2453.8
2686	9.4	135953.6	+2447.5	2776	7.5	144111.8	+2442.2	2866	8.7	152142.3	+2410.0	2956	9.3	155439.6	+2404.4
2687	9.0	140009.1	+2440.0	2777	9.3	144130.7	+2446.4	2867	8.2	152145.1	+2402.0	2957	8.7	155452.7	+2451.9
2688	9.3	140045.2	+2413.5	2778	8.3	144137.0	+2406.2	2868	9.1	152158.0	+2409.0	2958	9.4	155453.1	+2454.7
2689	9.2	140101.1	+2426.5	2779	6.1	144158.6	+2457.9	2869	8.1	152204.6	+2411.8	2959	9.4	155539.3	+2441.3
2690	9.5	140141.9	+2410.2	2780	9.3	144205.7	+2434.2	2870	8.9	152208.0	+2404.0	2960	9.5	155559.7	+2416.0
2691	9.1	140149.6	+2421.5	2781	9.1	144222.3	+2455.3	2871	9.5	152223.6	+2450.1	2961	9.5	155650.9	+2451.9
2692	9.5	140216.7	+2448.7	2782	9.1	144223.9	+2451.5	2872	9.5	152239.1	+2457.7	2962	9.4	155727.1	+2453.6
2693	9.5	140219.1	+2430.1	2783	8.5	144228.3	+2409.6	2873	6.9	152336.2	+2419.5	2963	9.5	155728.5	+2445.6
2694	8.9	140318.3	+2432.3	2784	9.5	144320.3	+2441.6	2874	7.3	152351.8	+2415.1	2964	8.6	155730.3	+2436.3
2695	9.5	140329.6	+2429.3	2785	9.3	144327.8	+2431.6	2875	9.2	152450.3	+2456.5	2965	8.5	155745.0	+2439.4
2696	9.5	140344.0	+2439.6	2786	5.8	144346.3	+2431.3	2876	9.2	152517.4	+2424.3	2966	8.9	155746.0	+2446.6
2697	9.0	140413.7	+2453.7	2787	9.5	144346.6	+2407.9	2877	9.4	152518.5	+2420.7	2967	9.3	155826.1	+2444.5
2698	8.9	140424.7	+2423.7	2788	9.3	144438.2	+2419.6	2878	9.2	152519.5	+2432.5	2968	9.4	155950.4	+2451.9
2699	9.4	140459.2	+2408.9	2789	9.3	144502.8	+2423.0	2879	9.3	152529.9	+2408.5	2969	9.3	160036.3	+2439.9
2700	8.5	140604.1	+2430.3	2790	6.8	144602.7	+2422.7	2880	9.0	152546.8	+2435.3	2970	9.4	160041.1	+2444.6
2701	9.4	140623.2	+2408.7	2791	9.5	144614.9	+2412.1	2881	8.9	152553.2	+2400.6	2971	9.3	160044.1	+2446.1
2702	9.4	140623.3	+2438.7	2792	9.5	144740.4	+2435.5	2882	8.5	152619.4	+2421.6	2972	8.3	160055.5	+2449.4
2703	9.5	140629.5	+2433.9	2793	9.5	144759.8	+2402.2	2883	9.2	152621.5	+2414.7	2973	9.3	160138.5	+2429.0
2704	9.0	140629.7	+2401.4	2794	8.7	144801.7	+2410.4	2884	8.0	152658.7	+2443.6	2974	9.5	160309.3	+2411.2
2705	9.0	140638.7	+2424.5	2795	9.2	144825.2	+2445.4	2885	9.4	152730.8	+2437.8	2975	9.3	160329.5	+2419.7
2706	9.4	140647.4	+2434.9	2796	7.8	144826.4	+2412.0	2886	8.9	152745.3	+2446.3	2976	9.3	160348.4	+2447.6
2707	6.5	140825.1	+2422.1	2797	9.3	144930.3	+2413.9	2887	8.4	152755.9	+2407.0	2977	8.5	160515.0	+2411.2
2708	9.2	140849.5	+2444.8	2798	6.7	144936.3	+2459.3	2888	9.0	152759.1	+2427.5	2978	9.5	160522.7	+2423.5
2709	8.7	140936.7	+2402.3	2799	9.5	145004.0	+2409.9	2889	9.4	152905.1	+2453.2	2979	9.5	160526.9	+2459.8
2710	9.2	140955.6	+2407.5	2800	6.4	145039.8	+2438.8	2890	9.4	152928.6	+2420.3	2980	9.5	160564.2	+2437.7
2711	8.5	140957.4	+2409.0	2801	6.5	145100.0	+2424.0	2891	9.4	152941.2	+2420.3	2981	9.3	160733.8	+2447.9
2712	8.9	141021.4	+2452.7	2802	9.5	145132.2	+2404.6	2892	8.9	152944.1	+2441.5	2982	9.4	160805.1	+2431.8
2713	9.3	141025.5	+2417.7	2803	6.8	145224.7	+2444.7	2893	9.5	153006.0	+2410.8	2983	9.2	160811.7	+2430.6
2714	8.9	141120.3	+2417.0	2804	9.5	145303.5	+2441.9	2894	8.3	153026.4	+2420.4	2984	8.9	160901.7	+2453.8
2715	9.0	141144.6	+2440.6	2805	9.4	145321.7	+2401.5	2895	9.5	153034.9	+2450.2	2985	8.8	160940.9	+2405.4
2716	9.5	141222.5	+2401.4	2806	9.5	145329.3	+2438.5	2896	9.5	153035.4	+2459.7	2986	9.4	160947.1	+2425.6
2717	9.4	141226.6	+2445.9	2807	9.4	145357.1	+2458.1	2897	9.3	153107.1	+2414.9	2987	8.9	160953.8	+2438.0
2718	9.2	141244.5	+2450.1	2808	9.5	145431.3	+2429.5	2898	9.5	153112.3	+2452.8	2988	9.5	161103.7	+2419.1
2719	8.0	141303.9	+2410.8	2809	9.3	145437.6	+2421.5	2899	9.2	153124.8	+2447.9	2989	9.5	161211.4	+2407.5
2720	9.5	141316.6	+2414.2	2810	9.3	145452.9	+2425.5	2900	9.5	153145.8	+2441.8	2990	8.7	161234.2	+2409.8
2721	9.4	141412.1	+2446.0	2811	8.7	145553.4	+2456.5	2901	7.4	153203.4	+2459.9	2991	9.2	161246.0	+2449.1
2722	9.5	141430.8	+2403.5	2812	9.5	145609.3	+2421.3	2902	9.5	153215.5	+2428.6	2992	9.2	161342.5	+2423.5
2723	7.7	141438.8	+2449.6	2813	9.5	145633.7	+2420.3	2903	9.4	153220.0	+2430.4	2993	9.1	161344.0	+2400.8
2724	8.7	141504.1	+2448.6	2814	8.5	145637.8	+2433.4	2904	9.5	153304.8	+2406.6	2994	9.5	161401.5	+2402.9
2725	8.2	141535.2	+2418.3	2815	9.4	145734.1	+2408.5	2905	9.5	153328.5	+2444.5	2995	9.1	161410.6	+2456.8
2726	9.5	141537.1	+2440.4	2816	9.5	145905.8	+2459.1	2906	9.5	153333.1	+2405.1	2996	9.5	161553.3	+2400.1
2727	9.3	141608.7	+2444.9	2817	8.7	145934.5	+2439.9	2907	9.5	153341.4	+2450.8	2997	9.3	161703.5	+2401.7
2728	8.0	141624.1	+2446.7	2818	9.1	150033.7	+2421.0	2908	9.3	153353.3	+2411.5	2998	9.0	161716.9	+2417.1
2729	9.4	141656.0	+2426.7	2819	9.5	150044.3	+2445.7	2909	9.5	153451.1	+2430.8	2999	9.2	161718.5	+2459.2
2730	9.0	141718.1	+2455.9	2820	9.3	150112.7	+2441.0	2910	9.5	153455.0	+2456.1	3000	9.3	161734.0	+2459.0
2731	9.1	141841.8	+2420.3	2821	9.4	150144.8	+2427.9	2911	9.3	153533.3	+2401.5	3001	9.3	161802.5	+2456.0
2732M	9.5	141900.4	+2425.4	2822	9.1	150219.1	+2446.1	2912	9.3	153619.0	+2432.8	3002	9.1	161811.6	+2427.0
2733	9.0	141900.8	+2419.0	2823	9.0	150231.2	+2446.0	2913	9.5	153657.5	+2418.6	3003	7.7	161901.2	+2423.9
2734	9.0	141913.0	+2416.5	2824	9.1	150246.3	+2433.7	2914	7.3	153756.0	+2455.4	3004	9.1	161904.5	+2420.5
2735	9.5	142115.7	+2429.3	2825	9.5	150440.8	+2459.6	2915	9.1	153832.2	+2405.8	3005	9.5	161924.7	+2452.8
2736	9.5	142205.3	+2444.0	2826	9.5	150442.1	+2414.6	2916	9.4	153842.2	+2400.9	3006	8.4	161934.0	+2453.4
2737	9.0	142323.7	+2446.1	2827	9.5	150459.9	+2433.0	2917	8.6	153852.0	+2448.8	3007	9.3	162035.2	+2425.6
2738	9.5	142343.2	+2446.1	2828	9.5	150503.1	+2407.5	2918	8.4	153921.1	+2406.9	3008	8.8	162049.8	+2433.2
2739	9.5	142525.4	+2417.6	2829	8.7	150517.8	+2447.5	2919	8.8	153924.0	+2432.5	3009	9.5	162132.2	+2429.1
2740	7.8	142834.2	+2410.8	2830	9.3	150718.5	+2423.5	2920	9.2	153926.5	+2455.4	3010	8.7	162153.3	+2410.0
2741	9.5	142909.1	+2409.0	2831	9.1	150807.1	+2457.0	2921	9.2	154002.2	+2456.5	3011	9.3	162206.5	+2453.7
2742	9.4	142922.8	+2406.2	2832	9.5	150814.2	+2435.4	2922	9.3	154211.6	+2445.0	3012	9.5	162208.2	+2430.8
2743	8.3	142925.1	+2451.2	2833	9.4	150924.2	+2405.3	2923	9.4	154225.2	+2444.9	3013	8.5	162254.5	+2415.2
2744	7.8	142943.8	+2438.0	2834	9.3	150924.6	+2454.2	2924	9.5	154254.0	+2426.9	3014	9.4	162312.0	+2406.8
2745	7.8	142959.3	+2415.4	2835	9.5	150957.4	+2452.5	2925	9.5	154300.5	+2458.1	3015	9.5	162353.4	+2402.7
2746	9.3	143131.8	+2441.6	2836	9.4	151002.1	+2409.3	2926	7.3	154325.6	+2407.8	3016	8.5	162406.2	+2411.5
2747	9.2	143137.9	+2457.0	2837	9.5	151008.1	+2411.7	2927	9.5	154346.5	+2445.9	3017	9.3	162435.0	+2404.4
2748	9.4	143156.5	+2432.8	2838	8.0	151009.0	+2404.5	2928	9.3	154503.0	+2449.8	3018	9.5	162437.9	+2405.6
2749	9.5	143205.0	+2409.1	2839	9.3	151023.5	+2454.0	2929	9.3	154515.0	+2428.0	3019	8.1	162453.8	+2418.0
2750	9.0	143207.3	+2434.1	2840	9.5	151105.9	+2403.4	2930	9.4	154553.5	+2423.9	3020	9.0	162555.4	+2457.9

+24 3038 16h33m

+24 3397 18h15m

3038	7.4	163304.6	+2459.4	3128	9.5	170309.0	+2437.0	3218	6.0	173133.4	+2423.7	3308	8.1	175539.9	+2457.6
3039	9.0	163310.5	+2442.8	3129	9.5	170311.2	+2442.5	3219	9.5	173211.1	+2422.0	3309	9.5	175614.3	+2440.3
3040	9.5	163312.1	+2459.2	3130	9.5	170320.5	+2442.2	3220	8.9	173217.1	+2435.4	3310	9.5	175628.7	+2438.6
3041	9.5	163330.0	+2401.0	3131	8.9	170324.5	+2434.3	3221	9.1	173316.8	+2428.9	3311	8.0	175633.6	+2459.3
3042	9.5	163415.2	+2404.4	3132	9.5	170330.7	+2403.0	3222	9.5	173341.9	+2444.0	3312	9.5	175634.6	+2407.7
3043	9.4	163427.2	+2449.8	3133	8.5	170409.5	+2413.0	3223	8.1	173342.4	+2429.6	3313	9.4	175649.1	+2410.7
3044	9.0	163525.4	+2419.5	3134	9.4	170417.0	+2428.7	3224	9.3	173418.8	+2437.5	3314	9.5	175653.7	+2444.1
3045	9.4	163616.0	+2402.4	3135	9.0	170421.5	+2417.8	3225	6.3	173508.8	+2435.4	3315	8.5	175707.7	+2415.6
3046	9.5	163649.6	+2436.7	3136	9.1	170427.0	+2424.7	3226	9.0	173511.9	+2432.9	3316	9.2	175711.4	+2408.4
3047	9.1	163747.0	+2425.3	3137	8.2	170440.5	+2441.8	3227	9.3	173541.2	+2401.5	3317	9.5	175735.8	+2445.9
3048	8.1	163824.7	+2404.3	3138	9.5	170442.4	+2447.3	3228	7.8	173544.8	+2438.9	3318	8.6	175751.3	+2454.6
3049	9.2	163841.1	+2406.7	3139	9.2	170450.7	+2456.8	3229	9.0	173622.8	+2431.6	3319	9.5	175804.0	+2426.2
3050	8.1	163917.9	+2450.6	3140	6.2	170502.5	+2426.0	3230	9.5	173630.8	+2408.6	3320	9.5	175832.2	+2436.8
3051	9.4	163952.7	+2412.6	3141	7.2	170517.4	+2427.0	3231	6.0	173631.7	+2438.5	3321	9.1	175845.3	+2448.6
3052	9.1	164000.8	+2423.0	3142	9.2	170537.8	+2401.7	3232	9.5	173650.9	+2416.8	3322	9.5	175912.4	+2455.1
3053	8.8	164014.7	+2453.5	3143	9.2	170544.9	+2453.4	3233	8.9	173708.4	+2424.9	3323	9.0	175946.7	+2446.2
3054	9.3	164024.5	+2438.4	3144	9.3	170557.3	+2433.3	3234	9.4	173714.4	+2403.3	3324	9.4	180001.7	+2415.7
3055	9.5	164036.5	+2409.9	3145	8.9	170620.2	+2453.8	3235	8.2	173715.7	+2450.9	3325	9.5	180015.7	+2414.5
3056	9.3	164105.4	+2423.0	3146	9.4	170639.3	+2401.2	3236	9.3	173720.5	+2437.8	3326	9.5	180018.2	+2413.0
3057	9.5	164110.2	+2422.6	3147	9.3	170640.3	+2449.2	3237	6.2	173723.8	+2424.0	3327	7.0	180020.7	+2424.8
3058	8.6	164231.9	+2423.2	3148	9.0	170641.6	+2402.6	3238	9.1	173735.1	+2413.0	3328	9.1	180040.2	+2423.1
3059	9.5	164251.0	+2444.2	3149	9.5	170652.5	+2425.7	3239	9.3	173741.4	+2421.3	3329	7.7	180049.7	+2418.6
3060	8.9	164251.7	+2431.2	3150	9.1	170743.9	+2425.7	3240	9.0	173755.5	+2407.9	3330	9.4	180109.5	+2449.0
3061	9.5	16430.8	+2450.0	3151	9.2	170758.9	+2403.8	3241	9.1	173757.6	+2446.4	3331	9.5	180115.4	+2435.8
3062	9.5	164431.4	+2437.7	3152	9.5	170759.5	+2430.2	3242	9.4	173811.4	+2408.6	3332	9.5	180116.7	+2427.9
3063	9.5	164446.1	+2412.0	3153	9.4	170819.5	+2402.0	3243	9.5	173818.5	+2422.7	3333	9.5	180121.7	+2410.9
3064	9.5	164503.7	+2407.1	3154	8.0	170847.0	+2414.7	3244	9.5	173833.4	+2426.7	3334	9.4	180124.0	+2457.9
3065	9.0	164515.0	+2421.5	3155	9.4	170906.1	+2441.4	3245	9.3	173843.9	+2412.7	3335	9.0	180135.7	+2422.7
3066	8.3	164515.9	+2441.7	3156	9.4	170926.8	+2454.0	3246	9.5	173845.8	+2428.0	3336	9.3	180211.2	+2462.7
3067	9.4	164528.0	+2433.7	3157	9.3	171014.8	+2422.0	3247	9.4	173901.7	+2427.7	3337	8.8	180220.7	+2410.0
3068	9.1	164535.2	+2454.7	3158	9.4	171034.9	+2435.1	3248	9.1	173922.7	+2453.3	3338	9.5	180241.4	+2400.9
3069	5.3	164544.9	+2454.8	3159	9.0	171116.6	+2447.4	3249	9.0	173926.7	+2444.7	3339	9.4	180248.2	+2429.7
3070	9.5	164638.5	+2409.8	3160	9.5	171146.1	+2409.4	3250	9.4	174020.5	+2410.3	3340	7.6	180258.0	+2408.4
3071	9.4	164642.9	+2432.3	3161	9.4	171154.6	+2403.3	3251	9.4	174034.4	+2404.7	3341	7.6	180258.7	+2433.1
3072	9.5	164643.7	+2467.7	3162	9.2	171217.8	+2447.8	3252	8.9	174045.0	+2455.4	3342	7.4	180258.7	+2456.2
3073	9.0	164643.9	+2444.6	3163	9.5	171224.8	+2423.6	3253	8.5	174054.8	+2423.2	3343	8.5	180306.8	+2467.9
3074	9.5	164709.3	+2455.7	3164	9.0	171350.5	+2457.7	3254	7.7	174124.5	+2418.2	3344	9.0	180311.0	+2428.9
3075	9.5	164719.6	+2440.2	3165	9.5	171356.1	+2447.8	3255	8.7	174147.9	+2455.0	3345	9.2	180311.0	+2457.9
3076	9.3	164724.5	+2444.5	3166	9.5	171425.4	+2404.8	3256	9.4	174158.0	+2428.5	3346	8.5	180316.8	+2407.9
3077	8.6	164727.0	+2410.5	3167	6.0	171456.0	+2437.7	3257	9.3	174232.0	+2427.7	3347	8.8	180319.2	+2427.5
3078	9.4	164751.5	+2445.0	3168	9.0	171507.8	+2440.6	3258	9.3	174234.5	+2426.4	3348	9.5	180324.7	+2423.7
3079	9.3	164827.3	+2443.7	3169	9.3	171510.2	+2455.1	3259	9.3	174304.8	+2455.0	3349	9.5	180345.5	+2422.1
3080	9.1	164836.9	+2445.7	3170	9.4	171538.7	+2459.0	3260	9.2	174306.5	+2405.1	3350	9.5	180352.2	+2449.7
3081	9.5	164840.0	+2422.6	3171	9.1	171635.8	+2412.7	3261	9.4	174317.8	+2450.2	3351	8.5	180356.6	+2408.7
3082	8.9	164840.1	+2406.4	3172	9.4	171650.1	+2436.1	3262	9.3	174317.8	+2455.2	3352	8.5	180418.2	+2467.3
3083	8.2	164901.0	+2428.7	3173	9.3	171706.2	+2430.3	3263	8.3	174319.9	+2413.5	3353	9.0	180422.0	+2452.4
3084	9.5	164920.8	+2405.8	3174	9.5	171712.1	+2410.9	3264	7.1	174404.2	+2430.0	3354	9.4	180439.4	+2431.4
3085	9.5	164931.8	+2405.5	3175	9.2	171730.7	+2433.5	3265	9.5	174419.5	+2414.3	3355	8.2	180521.2	+2409.0
3086	9.4	164937.4	+2409.3	3176	9.4	171731.9	+2408.1	3266	9.5	174425.6	+2413.5	3356	9.5	180537.7	+2454.9
3087	9.4	164946.3	+2404.3	3177	9.3	171740.7	+2439.5	3267	9.5	174445.7	+2402.4	3357	9.3	180631.5	+2454.9
3088	8.3	165000.9	+2444.3	3178	9.5	171851.3	+2448.4	3268	9.5	174513.0	+2440.4	3358	7.5	180634.5	+2425.7
3089	8.8	165011.7	+2402.3	3179	9.5	171910.1	+2437.8	3269	9.5	174536.4	+2420.0	3359	9.5	180642.7	+2405.5
3090	9.5	165024.5	+2440.5	3180	9.0	171954.4	+2422.0	3270	8.5	174536.7	+2442.5	3360	9.5	180644.7	+2413.7
3091	8.7	165025.2	+2430.8	3181	8.5	172014.4	+2415.3	3271	7.2	174604.5	+2420.6	3361	8.2	180645.6	+2422.0
3092	9.4	165035.5	+2435.3	3182	8.5	172017.1	+2423.8	3272	9.5	174608.0	+2429.6	3362	9.5	180647.5	+2429.2
3093	9.4	165059.9	+2418.2	3183	9.1	172017.1	+2426.1	3273	9.5	174625.0	+2409.1	3363	9.4	180704.4	+2405.9
3094	8.5	165102.0	+2425.7	3184	8.5	172021.3	+2426.1	3274	9.1	174630.2	+2451.0	3364	9.0	180715.0	+2447.5
3095	6.5	165141.3	+2436.6	3185	9.1	172055.3	+2420.0	3275	8.0	174739.7	+2448.3	3365	9.5	180726.1	+2431.2
3096	9.5	165229.0	+2408.4	3186	9.5	172126.8	+2407.5	3276	8.4	174836.7	+2417.6	3366	9.2	180817.7	+2404.0
3097	8.4	165243.8	+2401.6	3187	9.4	172147.0	+2406.9	3277	8.5	174909.7	+2415.2	3367	9.5	180830.5	+2422.2
3098	9.5	165303.5	+2438.7	3188	8.7	172217.3	+2411.2	3278	8.1	174944.2	+2429.3	3368	8.2	180830.8	+2405.7
3099	8.7	165320.0	+2441.8	3189	9.5	172221.6	+2407.4	3279	9.5	174950.6	+2402.9	3369	8.9	180855.5	+2443.0
3100	9.5	165323.1	+2452.9	3190	9.5	172250.8	+2442.7	3280	9.3	174953.0	+2450.7	3370	9.0	180900.4	+2455.8
3101	7.7	165339.9	+2426.0	3191	9.2	172329.1	+2403.2	3281	9.0	175047.9	+2418.4	3371	9.5	181009.8	+2406.1
3102	9.5	165407.9	+2435.3	3192	8.8	172338.7	+2447.8	3282	9.4	175107.7	+2442.1	3372	9.4	181024.9	+2414.1
3103	9.5	165410.5	+2448.7	3193	8.9	172343.8	+2457.0	3283	6.5	175116.0	+2401.8	3373	9.5	181059.0	+2420.7
3104	8.0	165440.4	+2438.1	3194	9.5	172355.9	+2459.8	3284	9.1	175124.9	+2408.4	3374	9.3	181119.8	+2457.3
3105	8.5	165550.0	+2434.6	3195	9.5	172357.2	+2456.8	3285	8.8	175208.2	+2433.5	3375	9.1	181149.1	+2419.6
3106	8.5	165554.6	+2402.0	3196	9.5	172426.3	+2459.5	3286	9.4	175209.0	+2448.3	3376	9.5	181152.7	+2451.6
3107	9.4	165624.0	+2417.9	3197	8.0	172440.4	+2408.9	3287	9.4	175218.1	+2427.5	3377	8.0	181232.7	+2423.3
3108	9.3	165638.0	+2403.0	3198	9.5	172458.0	+2435.4	3288	9.4	175238.0	+2410.0	3378	9.3	181252.9	+2400.4
3109	9.5	165649.9	+2436.0	3199	8.8	172509.3	+2455.4	3289	9.4	175252.5	+2447.5	3379	9.5	181259.0	+2414.1
3110	9.5	165724.1	+2406.8	3200	9.1	172518.2	+2453.1	3290	9.5	175307.0	+2414.4	3380	9.5	181309.4	+2446.5

+24 3398 18h16m

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+24 3757 19h22m

+24 3758 19h22m

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3759	4.2	192239.6	+2422.2	3849	7.1	193659.5	+2416.3	3939	9.5	195040.6	+2429.1	4029	7.4	200418.6	+2437.6
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3771	9.5	192523.0	+2400.5	3861	9.4	193849.6	+2428.8	3951	9.0	195237.3	+2404.4	4041	9.5	200642.6	+2431.1
3772	9.5	192558.7	+2434.3	3862	9.5	193901.5	+2419.2	3952	9.4	195240.6	+2426.9	4042	9.4	200653.9	+2432.5
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3781	9.4	192815.1	+2406.6	3871	9.3	194007.8	+2423.6	3961	9.4	195336.6	+2428.2	4051	9.5	200804.7	+2445.2
3782	9.5	192816.7	+2407.0	3872	8.3	194009.9	+2448.8	3962	7.9	195354.9	+2447.3	4052	9.5	200805.4	+2406.5
3783	9.5	192839.3	+2407.1	3873	9.3	194016.5	+2416.7	3963	8.7	195429.9	+2449.8	4053	8.0	200819.6	+2424.2
3784	9.3	192840.5	+2416.8	3874	8.0	194019.6	+2406.3	3964	8.8	195431.2	+2407.3	4054	9.5	200833.1	+2424.7
3785	8.6	192847.9	+2450.1	3875	9.4	194023.6	+2409.3	3965	8.6	195444.3	+2445.4	4055	9.4	200834.8	+2408.1
3786	8.9	192853.0	+2415.8	3876	9.4	194023.8	+2441.4	3966	9.5	195446.0	+2401.6	4056	9.2	200835.7	+2435.8
3787	9.3	192856.4	+2411.8	3877	6.5	194033.9	+2446.8	3967	9.5	195448.5	+2421.7	4057	9.2	200837.3	+2454.9
3788	8.7	192858.8	+2442.7	3878	9.5	194050.8	+2401.5	3968	9.4	195508.5	+2401.7	4058	9.0	200841.7	+2433.9
3789	9.0	192906.5	+2421.3	3879	9.5	194050.9	+2415.5	3969	8.7	195507.5	+2417.5	4059	9.5	200842.1	+2456.9
3790	9.5	192909.8	+2442.7	3880	9.5	194051.9	+2412.0	3970	9.5	195509.5	+2436.3	4060	8.8	200842.4	+2452.9
3791	9.2	192915.4	+2454.7	3881	9.0	194057.7	+2429.7	3971	9.5	195509.8	+2405.9	4061	9.5	200843.1	+2456.4
3792	9.5	192925.5	+2417.2	3882	9.0	194113.7	+2437.6	3972	9.5	195518.1	+2432.5	4062	9.4	200852.8	+2434.6
3793	9.0	192926.0	+2452.8	3883	9.5	194113.9	+2411.8	3973	9.4	195521.1	+2436.5	4063	9.0	200854.0	+2440.5
3794	9.1	192929.0	+2447.3	3884	9.5	194114.0	+2416.2	3974	9.2	195528.4	+2409.5	4064	9.2	200906.0	+2425.4
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3801	8.7	193020.8	+2444.9	3891	9.3	194224.7	+2436.0	3981	9.5	195621.6	+2448.7	4071	9.5	201007.9	+2453.4
3802	9.0	193024.9	+2450.8	3892	7.5	194228.7	+2426.9	3982	9.5	195625.5	+2439.3	4072	9.2	201013.4	+2453.9
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*24 4476 21h40m

+24 4477 21h41m

+24 4836 23h41m

4477 8.7 214108.7 +2411.7	4567 8.6 221034.6 +2404.6	4657 8.7 224008.5 +2418.6	4747 9.5 231114.8 +2418.7
4478 9.4 214137.8 +2418.0	4568 9.5 221105.4 +2421.9	4658 9.5 224018.4 +2429.0	4748 9.3 231125.4 +2400.5
4479 9.0 214141.9 +2427.9	4569 9.2 221126.7 +2402.0	4659 9.5 224019.7 +2419.5	4749 8.6 231136.7 +2426.3
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4492 9.1 214628.3 +2459.0	4582 8.5 221429.2 +2442.6	4672 9.4 224341.9 +2405.5	4762 9.1 231602.3 +2457.7
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4543 9.5 220333.2 +2420.6	4633 9.3 223334.8 +2409.1	4723 9.5 230349.9 +2454.1	4813 8.1 233326.0 +2458.5
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4554 9.5 220656.4 +2421.1	4644 9.5 223629.4 +2401.5	4734 9.0 230758.8 +2452.5	4824 9.2 233714.5 +2415.0
4555 9.5 220657.6 +2455.0	4645 9.3 223743.5 +2401.0	4735 9.3 230805.2 +2450.1	4825 9.1 233727.0 +2416.2
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4562 9.4 220858.5 +2401.0	4652 9.1 223937.2 +2404.3	4742 9.1 230945.5 +2455.3	4832 9.4 233935.9 +2434.0
4563 9.2 220911.1 +2412.9	4653 9.5 223939.7 +2432.0	4743 9.5 230953.0 +2411.0	4833 9.5 234010.1 +2457.3
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4565 9.5 220950.0 +2413.2	4655 9.4 223950.0 +2434.8	4745 9.3 231022.4 +2414.0	4835 9.5 234048.8 +2459.3
4566 9.5 221018.9 +2430.5	4656 9.4 223952.1 +2445.7	4746 8.5 231052.5 +2405.9	4836 6.8 234113.2 +2451.1

*24 4837 23h41m

*23 310 2h09m

4837 9.0 234113.5 +2416.6	41 8.5 01353.5 +2352.9	131 9.5 04922.2 +2357.6	221 9.0 13200.4 +2301.1
4838 9.3 234144.7 +2436.7	42 9.5 01429.7 +2315.0	132 9.1 04957.6 +2355.6	222 8.0 13329.6 +2326.7
4839 9.5 234145.0 +2413.8	43 7.3 01445.1 +2352.9	133 9.4 05035.9 +2350.8	223 9.1 13414.0 +2338.0
4840 9.0 234152.0 +2410.4	44 9.3 01504.4 +2345.7	134 8.0 05043.3 +2343.9	224 9.5 13430.7 +2351.5
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4842 8.5 234205.9 +2435.9	46 9.0 01510.0 +2305.3	136 9.3 05104.6 +2305.1	226 9.0 13444.7 +2337.2
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4844 6.8 234251.6 +2402.8	48 9.4 01552.6 +2348.5	138 9.3 05347.3 +2321.2	228 9.5 13525.6 +2331.9
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4846 8.3 234322.0 +2429.4	50 9.2 01719.0 +2322.0	140 9.2 05423.5 +2358.4	230 9.0 13650.5 +2355.2
4847 9.0 234323.0 +2423.5	51 9.2 01730.4 +2336.6	141 9.0 05424.2 +2351.3	231 9.2 13729.8 +2301.2
4848 8.9 234421.8 +2433.4	52 8.2 01734.1 +2346.7	142 9.0 05734.5 +2342.6	232 9.5 13759.7 +2336.9
4849 9.5 234436.0 +2445.0	53 9.0 01734.8 +2326.0	143 9.5 05736.9 +2304.2	233 9.5 13814.1 +2338.3
4850 9.1 234439.8 +2406.8	54 8.5 01832.0 +2311.0	144 9.4 05748.3 +2324.6	234 9.4 13840.7 +2302.5
4851 9.0 234441.1 +2412.3	55 9.2 01848.9 +2305.5	145 9.5 10041.5 +2304.9	235 9.3 13909.6 +2301.6
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1042	8.5	53824.3	+2306.5	1132	7.8	54947.5	+2338.4	1222	9.1	60017.0	+2358.5	1312	9.5	61132.1	+2331.2
1043	8.3	53837.0	+2349.6	1133	9.5	54953.0	+2351.8	1223	8.9	60021.1	+2354.5	1313	9.5	61135.8	+2319.3
1044	9.5	53844.5	+2310.2	1134	9.2	54955.0	+2349.8	1224	9.3	60048.3	+2351.0	1314	9.5	61139.5	+2340.6
1045	9.1	53846.2	+2334.9	1135	7.9	54957.6	+2313.4	1225	9.4	60049.3	+2353.2	1315	9.3	61143.0	+2322.9
1046	8.8	53854.9	+2334.5	1136	9.3	55025.5	+2338.4	1226	6.5	60057.3	+2307.5	1316	9.5	61155.3	+2330.2
1047	9.1	53856.7	+2351.3	1137	9.3	55028.4	+2348.2	1227	9.3	60109.3	+2354.7	1317	9.5	61215.6	+2341.6
1048	9.5	53859.8	+2355.5	1138	9.5	55036.2	+2342.5	1228	9.5	60128.7	+2334.8	1318	9.4	61217.4	+2347.3
1049	9.4	53905.6	+2311.5	1139	9.5	55042.9	+2309.5	1229	9.5	60132.2	+2308.9	1319	9.5	61224.9	+2335.2
1050	9.5	53907.8	+2321.1	1140	9.5	55048.8	+2311.3	1230	9.2	60133.3	+2306.3	1320	9.3	61230.6	+2340.1
1051	9.5	53911.4	+2349.0	1141	9.5	55104.5	+2321.7	1231	9.2	60141.3	+2348.3	1321	9.5	61255.2	+2359.2
1052	9.2	53918.1	+2318.7	1142	9.5	55110.8	+2353.6	1232	7.4	60142.3	+2301.4	1322	7.7	61258.4	+2349.8
1053	9.5	53921.0	+2304.6	1143	9.5	55123.3	+2323.7	1233	9.5	60201.0	+2310.6	1323	9.5	61328.2	+2310.3
1054	9.5	53924.8	+2338.2	1144	9.3	55143.2	+2315.1	1234	8.9	60204.8	+2350.2	1324	9.5	61352.0	+2343.5
1055	9.3	53929.6	+2336.4	1145	9.3	55204.8	+2318.7	1235	9.4	60206.9	+2355.0	1325	9.5	61352.2	+2312.7
1056	9.4	53937.3	+2336.1	1146	9.5	55205.4	+2333.8	1236	9.4	60239.3	+2315.4	1326	9.5	61352.6	+2317.6
1057	9.5	53938.0	+2329.0	1147	9.5	55215.6	+2354.3	1237	9.5	60240.4	+2302.4	1327	9.4	61406.7	+2335.3
1058	9.5	53941.5	+2338.6	1148	8.5	55216.8	+2319.0	1238	9.5	60249.9	+2303.4	1328	9.5	61408.0	+2320.9
1059	8.8	53943.8	+2349.6	1149	7.8	55218.9	+2317.0	1239	9.5	60255.1	+2342.2	1329	9.5	61410.3	+2302.2
1060	8.4	53948.7	+2343.7	1150	7.6	55239.0	+2341.4	1240	9.4	60257.5	+2303.6	1330	9.0	61424.3	+2353.8
1061	9.5	53953.4	+2357.6	1151	9.1	55239.8	+2307.6	1241	9.5	60302.9	+2302.4	1331	9.4	61436.8	+2330.3
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1064	9.4	54017.2	+2342.1	1154	8.9	55258.9	+2307.5	1244	9.5	60311.0	+2358.0	1334	8.5	61444.3	+2309.2
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1066	9.3	54019.9	+2311.0	1156	9.0	55317.3	+2354.9	1246	9.3	60357.2	+2346.5	1336	9.2	61512.7	+2333.2
1067	9.5	54027.5	+2338.8	1157	9.3	55318.4	+2335.5	1247	9.0	60400.0	+2304.3	1337	9.5	61521.3	+2302.4
1068	9.5	54027.5	+2345.6	1158	9.5	55343.2	+2300.3	1248	9.5	60404.6	+2338.3	1338	8.7	61545.8	+2329.7
1069	9.0	54030.4	+2334.0	1159	9.5	55348.4	+2312.3	1249	9.4	60412.7	+2335.3	1339	9.5	61551.1	+2307.2
1070	9.1	54033.0	+2352.5	1160	9.5	55350.6	+2321.0	1250	9.2	60416.3	+2353.1	1340	8.6	61553.2	+2313.6
1071	9.1	54040.9	+2324.4	1161	8.5	55401.7	+2319.7	1251	9.2	60436.6	+2340.0	1341	9.5	61608.4	+2356.2
1072	9.0	54052.8	+2338.9	1162	9.5	55414.2	+2354.6	1252	9.2	60439.3	+2309.2	1342	9.5	61608.4	+2309.9
1073	9.5	54104.0	+2325.1	1163	9.5	55425.2	+2336.8	1253	9.0	60440.4	+2300.1	1343	9.2	61609.9	+2355.0
1074	9.4	54111.9	+2337.0	1164	9.5	55431.7	+2356.4	1254	8.7	60449.4	+2346.5	1344	7.2	61628.4	+2347.4
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1078	9.4	54144.3	+2305.9	1168	9.2	55443.6	+2319.5	1258	8.1	60517.5	+2359.2	1348	9.5	61707.9	+2305.5
1079	9.5	54154.1	+2328.6	1169	9.1	55516.1	+2349.4	1259	9.5	60527.3	+2307.4	1349	9.5	61722.7	+2325.9
1080	9.3	54215.7	+2306.6	1170	5.1	55517.8	+2315.6	1260	9.5	60551.7	+2333.8	1350	9.5	61730.6	+2355.2
1081	9.5	54216.2	+2325.9	1171	9.2	55536.0	+2335.6	1261	9.2	60552.4	+2347.5	1351	9.5	61736.3	+2353.5
1082	9.1	54220.8	+2349.6	1172	9.0	55545.4	+2323.2	1262	9.0	60554.9	+2324.4	1352	9.1	61739.4	+2340.6
1083	8.8	54226.3	+2352.8	1173	9.4	55551.8	+2315.6	1263	9.1	60556.2	+2357.0	1353	9.5	61754.3	+2302.9
1084	9.5	54228.8	+2351.1	1174	9.3	55600.0	+2356.3	1264	9.5	60557.0	+2319.2	1354	9.1	61759.3	+2306.5
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1086	9.5	54254.1	+2349.5	1176	9.5	55605.0	+2319.0	1266	9.5	60615.7	+2336.5	1356	8.5	61810.4	+2348.9
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1089	9.3	54329.8	+2358.3	1179	9.5	55617.7	+2323.7	1269	9.2	60650.3	+2353.8	1359	9.5	61856.2	+2314.4
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1091	8.8	54406.1	+2334.0	1181	9.3	55636.2	+2312.5	1271	8.3	60717.2	+2314.0	1361	9.5	61908.5	+2342.8
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1100	8.6	54451.2	+2313.0	1190	9.4	55742.0	+2347.4	1280	9.5	60900.7	+2358.9	1370	9.5	62003.9	+2301.1
1101	9.5	54451.8	+2324.6	1191	9.5	55751.1	+2302.2	1281	9.5	60902.0	+2321.4	1371	8.9	62005.3	+2354.6
1102	9.5	54501.9	+2341.7	1192	7.2	55758.4	+2338.5	1282	8.7	60904.5	+2355.7	1372	9.5	62013.0	+2322.0
1103	9.1	54521.7	+2356.0	1193	9.5	55804.6	+2344.5	1283	9.5	60918.4	+2349.8	1373	9.4	62024.3	+2304.7
1104	9.4	54558.2	+2343.6	1194	9.5	55805.3	+2329.9	1284	9.3	60926.0	+2320.9	1374</			

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1748 9.5 72431.2 +2358.5

+23 1748 7h24m

+23 1749 7h24m

+23 2108 9h23m

1749	9.4	72447.4	+2307.8	1839	9.5	74509.7	+2301.2	1929	9.5	80909.5	+2351.2	2019	9.5	84831.1	+2335.3
1750	9.5	72515.7	+2353.8	1840	8.6	74533.3	+2352.9	1930	9.5	80912.3	+2316.0	2020	9.2	84834.2	+2356.8
1751	9.3	72517.4	+2333.0	1841	9.5	74557.4	+2356.0	1931	9.3	80957.6	+2337.2	2021	9.5	84911.1	+2356.8
1752	9.0	72518.1	+2331.1	1842	9.5	74558.7	+2339.8	1932	9.0	81056.0	+2345.5	2022	9.5	84919.4	+2358.4
1753	8.8	72535.7	+2338.7	1843	9.1	74649.6	+2300.6	1933	9.5	81132.1	+2348.0	2023	8.3	84928.7	+2331.2
1754	9.5	72546.3	+2354.2	1844	9.4	74658.0	+2308.2	1934	9.5	81208.3	+2320.0	2024	9.3	85030.0	+2318.1
1755	9.1	72547.0	+2306.4	1845	9.4	74705.6	+2318.7	1935	9.5	81226.0	+2331.8	2025	9.5	85031.5	+2321.3
1756	7.9	72602.4	+2315.8	1846	9.2	74713.2	+2342.1	1936	9.5	81226.1	+2340.8	2026	8.7	85037.5	+2318.1
1757	9.4	72614.4	+2348.4	1847	9.5	74715.8	+2323.0	1937	9.5	81244.2	+2354.2	2027	8.0	85044.5	+2321.3
1758	9.5	72618.6	+2344.6	1848	9.5	74725.3	+2352.2	1938	9.5	81246.0	+2349.2	2028	9.5	85053.7	+2346.7
1759	9.4	72623.1	+2311.2	1849M	9.5	74738.2	+2305.6	1939	8.2	81319.0	+2325.0	2029	8.0	85206.2	+2301.9
1760	6.8	72628.6	+2321.5	1850	9.5	74741.5	+2307.5	1940	8.5	81327.3	+2333.3	2030	8.3	85208.5	+2317.1
1761	9.4	72643.0	+2343.8	1851	9.3	74806.2	+2305.5	1941	8.9	81336.8	+2358.5	2031	8.7	85230.1	+2322.2
1762	9.3	72657.6	+2338.8	1852	9.5	74814.8	+2334.6	1942	9.5	81402.0	+2312.6	2032	9.5	85316.3	+2305.5
1763	9.5	72724.8	+2342.3	1853	9.0	74831.0	+2322.9	1943	9.5	81429.5	+2354.0	2033	9.2	85439.9	+2339.7
1764	9.5	72735.7	+2320.5	1854	9.5	74834.7	+2343.5	1944	9.1	81452.8	+2338.5	2034	9.5	85452.8	+2349.7
1765	9.8	72737.4	+2312.7	1855	9.5	74923.8	+2340.1	1945	9.4	81511.6	+2345.3	2035	7.3	85502.4	+2311.2
1766	9.1	72756.3	+2354.6	1856	9.2	74924.8	+2325.9	1946	9.5	81517.1	+2338.4	2036	9.5	85518.3	+2300.9
1767	9.5	72850.5	+2356.8	1857	9.5	74932.0	+2340.2	1947	9.4	81535.5	+2345.3	2037	9.3	85524.0	+2348.4
1768	9.5	72901.3	+2332.1	1858	9.5	74935.3	+2340.2	1948	9.3	81538.0	+2340.5	2038	9.5	85526.5	+2357.7
1769	9.5	72928.8	+2312.6	1859	9.4	74954.4	+2349.9	1949	9.4	81655.6	+2313.0	2039	9.4	85636.0	+2302.1
1770	9.5	72935.0	+2356.8	1860	9.5	75004.6	+2320.0	1950	9.1	81655.7	+2332.7	2040	7.0	85638.4	+2326.3
1771	9.4	72938.7	+2357.6	1861	9.4	75010.1	+2343.4	1951	9.5	81710.5	+2319.0	2041	8.5	85709.3	+2338.1
1772	9.2	72941.8	+2307.5	1862	9.5	75054.0	+2325.8	1952	9.5	81722.2	+2345.8	2042	9.5	85718.2	+2305.5
1773	9.1	72957.9	+2350.2	1863	7.3	75104.6	+2327.3	1953	9.5	81732.1	+2311.2	2043	9.3	85745.1	+2352.6
1774	9.5	73009.7	+2334.4	1864	8.2	75108.3	+2328.9	1954	9.4	81737.1	+2325.5	2044	9.4	85815.3	+2350.2
1775	9.3	73100.0	+2349.8	1865	9.0	75136.9	+2359.8	1955	9.2	81745.8	+2325.8	2045	8.2	85828.2	+2308.5
1776	9.2	73137.7	+2311.2	1866	6.5	75221.1	+2359.8	1956	9.3	81819.5	+2351.8	2046	9.5	85851.5	+2308.5
1777	8.5	73144.0	+2331.8	1867	9.0	75306.8	+2313.2	1957	9.3	81826.0	+2357.0	2047	8.4	85856.3	+2327.4
1778	9.5	73155.7	+2351.7	1868	9.1	75307.4	+2328.0	1958	8.7	81827.7	+2330.5	2048	6.5	85905.2	+2333.6
1779	8.2	73203.3	+2334.6	1869	8.9	75334.5	+2324.8	1959	9.5	81842.8	+2307.1	2049	7.8	85932.7	+2302.4
1780	6.0	73217.6	+2321.9	1870	9.5	75405.8	+2302.3	1960	7.8	81854.3	+2337.5	2050	9.0	85958.0	+2357.4
1781	9.1	73242.6	+2304.4	1871	9.2	75415.7	+2327.3	1961	9.5	81916.0	+2319.5	2051	9.0	90003.9	+2329.5
1782	8.8	73244.6	+2331.3	1872	8.9	75438.6	+2340.4	1962	9.5	81923.6	+2306.3	2052	9.5	90024.2	+2364.4
1783	9.1	73244.8	+2308.2	1873	9.3	75445.8	+2328.7	1963	9.3	81954.1	+2331.6	2053	9.4	90128.2	+2319.9
1784	9.0	73252.6	+2351.6	1874	9.3	75453.5	+2344.4	1964	9.5	82127.3	+2313.6	2054	9.5	90136.2	+2306.8
1785	9.5	73253.0	+2332.6	1875	9.3	75504.1	+2342.5	1965	9.2	82151.5	+2306.5	2055	7.9	90137.0	+2333.7
1786	9.0	73255.3	+2356.8	1876	9.1	75510.6	+2333.6	1966	9.1	82202.0	+2306.2	2056	9.5	90201.5	+2331.8
1787	8.5	73258.1	+2325.0	1877	8.5	75520.0	+2347.7	1967	9.0	82210.8	+2358.5	2057	9.1	90211.9	+2308.6
1788	9.5	73259.4	+2301.9	1878D	9.5	75527.5	+2309.2	1968	9.4	82223.6	+2344.3	2058	9.4	90252.3	+2343.0
1789	8.3	73302.6	+2351.1	1879	9.5	75540.5	+2306.2	1969	9.3	82416.5	+2349.4	2059	9.0	90301.9	+2341.9
1790	8.8	73315.6	+2322.4	1880	9.5	75543.4	+2321.8	1970	9.5	82424.9	+2355.0	2060	9.0	90349.2	+2324.0
1791	9.5	73318.8	+2337.4	1881	9.1	75544.1	+2341.3	1971	9.5	82427.3	+2359.8	2061	9.5	90342.8	+2328.5
1792	7.8	73325.1	+2315.2	1882	9.0	75604.3	+2314.1	1972	9.5	82459.5	+2322.9	2062	7.8	90633.0	+2318.8
1793	9.5	73343.0	+2336.4	1883	9.5	75625.2	+2327.0	1973	9.1	82559.6	+2343.7	2063	7.5	90649.1	+2357.8
1794	9.5	73356.6	+2312.4	1884	9.5	75640.6	+2329.8	1974	9.0	82648.0	+2312.3	2064	9.4	90650.9	+2342.0
1795	8.3	73420.8	+2336.1	1885	9.2	75654.6	+2348.1	1975	9.4	82701.5	+2307.1	2065	9.0	90653.6	+2357.5
1796	30.0	73421.5	+2347.3	1886	9.0	75740.8	+2346.1	1976	9.5	82710.8	+2321.2	2066	9.4	90659.8	+2337.0
1797	8.5	73428.7	+2353.2	1887	6.0	75742.9	+2302.9	1977	9.8	82742.9	+2358.0	2067	7.8	90705.3	+2324.1
1798	9.5	73437.6	+2345.5	1888	7.5	75822.0	+2309.7	1978	9.6	82826.5	+2345.0	2068	7.9	90818.9	+2330.9
1799	9.0	73455.0	+2302.5	1889?	9.5	75833.1	+2312.0	1979	9.3	82844.3	+2303.0	2069	9.5	90840.3	+2342.3
1800	9.5	73454.0	+2357.6	1890	9.4	75834.0	+2326.1	1980	9.5	82928.5	+2337.1	2070	9.5	90905.1	+2356.3
1801	7.0	73550.0	+2341.2	1891	9.5	75903.8	+2356.0	1981	9.5	82937.5	+2347.4	2071	9.5	90907.7	+2356.3
1802	9.5	73559.3	+2315.4	1892	8.5	75914.6	+2311.9	1982	9.4	82945.1	+2301.9	2072	6.5	90927.2	+2341.3
1803	9.5	73601.4	+2329.5	1893	9.5	75932.1	+2312.0	1983	9.5	83017.5	+2308.5	2073	9.4	91017.7	+2300.9
1804	9.4	73617.8	+2337.3	1894	9.0	75939.8	+2336.1	1984	9.5	83022.0	+2323.9	2074	8.6	91033.8	+2330.9
1805	7.5	73620.6	+2320.9	1895	9.5	75940.6	+2322.7	1985	9.0	83046.9	+2318.5	2075	9.3	91116.3	+2324.0
1806	9.4	73658.3	+2352.8	1896	9.3	80041.0	+2359.5	1986	9.5	83151.0	+2336.4	2076	9.5	91123.1	+2313.0
1807	9.1	73720.4	+2356.3	1897	9.4	80120.4	+2354.5	1987	9.5	83151.8	+2316.1	2077	9.5	91126.4	+2300.2
1808	8.0	73728.5	+2353.9	1898	9.4	80152.5	+2328.7	1988	9.2	83157.1	+2357.7	2078	8.2	91223.8	+2315.8
1809	9.5	73837.3	+2343.8	1899	9.4	80203.6	+2307.7	1989	9.5	83217.5	+2333.3	2079	7.9	91304.0	+2331.0
1810	8.5	73850.6	+2329.2	1900	9.5	80217.0	+2327.0	1990	9.2	83301.6	+2321.3	2080	7.8	91319.8	+2322.7
1811	9.5	73857.7	+2352.5	1901	8.1	80219.8	+2309.5	1991	9.3	83321.5	+2346.0	2081	9.2	91322.0	+2325.7
1812	6.5	73953.5	+2330.5	1902	9.3	80242.5	+2356.5	1992	9.2	83348.4	+2329.2	2082	9.4	91326.5	+2310.5
1813	9.5	74003.8	+2348.2	1903	9.9	80251.3	+2331.5	1993	9.5	83353.8	+2347.4	2083	9.5	91331.4	+2302.8
1814*	9.5	73952.9	+2356.6	1904	9.4	80252.0	+2327.3	1994	9.3	83451.7	+2302.1	2084	9.4	91336.0	+2310.5
1815	9.3	74009.7	+2310.7	1905	8.3	80254.0	+2354.3	1995	8.2	83518.9	+2313.8	2085	9.5	91368.0	+2306.6
1816	9.0	74026.0	+2328.6	1906	8.9	80321.1	+2349.2	1996	9.5	83551.0	+2309.5	2086	9.4	91402.5	+2309.0
1817	9.5	74041.6	+2310.0	1907	9.0	80344.2	+2359.7	1997	9.5	83625.4	+2339.5	2087	9.1	91417.1	+2311.7
1818	8.8	74050.6	+2338.1	1908	9.1	80355.5	+2333.5	1998	9.4	83625.8	+2354.0	2088	9.3	91426.0	+2335.0
1819	9.4	74100.8	+2350.2	1909	9.5	80417.6	+2326.0	1999	9.0	83901.0	+2337.1	2089	9.0	91427.3	+2355.7
1820	9.5	74119.9	+2312.2	1910	9.5	80435.9	+2357.3	2000	8.7	83951.9	+2356.1	2090	8.7	91521.8	+2326.7
1821	8.0	74128.5	+2305.7	1911	9.2	80501.5	+2306.6	2001	9.5	84037.5	+2329.8	2091	9.5	91643.2	+2356.4
1822	9.3	74140.4	+2308.2	1912	9.5	80505.3	+2358.6	2002	9.5	84131.7	+2318.5	2092	8.0	91644.3	+2324.4
1823	9.5	74144.5	+2316.3	1913	6.5	80507.2	+2335.2	2003	9.5	84142.0	+2325.4	2			

+23 2109 9h24m

+23 2468 12h24m

2109 9.5 92402.0 +2332.2	2199 9.3 100711.9 +2350.2	2289 9.4 105201.7 +2315.1	2379 9.5 113556.4 +2304.6
2110 9.5 92415.5 +2356.1	2200 9.2 100720.5 +2308.8	2290 9.4 105208.6 +2351.7	2380 8.6 113702.0 +2310.0
2111 9.5 92435.0 +2357.7	2201 9.4 100727.1 +2331.5	2291 9.4 105231.5 +2310.9	2381 9.2 113717.3 +2302.3
2112 9.3 92553.1 +2318.0	2202 9.1 100835.9 +2339.0	2292 9.5 105233.8 +2328.9	2382 9.0 113726.1 +2318.6
2113 9.4 92554.7 +2323.4	2203 9.4 100850.0 +2302.1	2293 8.8 105341.9 +2318.0	2383 9.2 113826.6 +2310.6
2114 9.5 92654.4 +2358.7	2204 9.1 100852.8 +2312.4	2294 9.4 105345.2 +2321.5	2384 9.5 113911.1 +2343.8
2115 9.5 92659.1 +2300.8	2205 9.2 100856.7 +2326.8	2295 9.2 105347.7 +2347.1	2385 9.0 113914.4 +2315.0
2116 7.5 92748.1 +2350.3	2206 9.5 100910.1 +2332.4	2296 9.5 105355.7 +2302.3	2386 9.4 113922.2 +2306.4
2117 9.4 92759.9 +2359.4	2207 6.5 100916.1 +2350.3	2297 8.5 105416.3 +2322.3	2387 9.5 113958.5 +2319.1
2118 9.0 92831.0 +2356.3	2208 9.1 100924.4 +2304.7	2298 9.5 105434.9 +2304.2	2388 9.1 114004.5 +2347.4
2119 9.4 92841.5 +2301.3	2209 8.5 100922.8 +2357.6	2299 9.3 105458.3 +2318.5	2389 9.4 114012.8 +2341.4
2120 7.0 92842.8 +2341.4	2210 9.5 101037.9 +2329.8	2300 9.0 105509.7 +2348.6	2390 9.1 114029.3 +2339.4
2121 9.1 92858.1 +2321.2	2211 9.5 101042.8 +2316.3	2301 9.0 105512.4 +2354.8	2391 9.4 114109.7 +2358.4
2122 9.2 92912.1 +2334.6	2212 9.3 101131.0 +2320.4	2302 9.4 105550.6 +2354.4	2392 9.0 114159.8 +2318.1
2123 9.2 92914.2 +2340.6	2213 7.9 101137.1 +2314.0	2303 8.2 105610.4 +2356.6	2393 9.5 114209.5 +2315.4
2124 9.3 92944.0 +2310.2	2214 9.1 101343.6 +2331.3	2304 9.5 105612.6 +2346.3	2394 9.0 114323.3 +2343.6
2125 9.0 92950.5 +2336.7	2215 9.4 101348.0 +2354.9	2305 9.3 105614.9 +2349.6	2395 9.5 114325.5 +2302.1
2126 7.8 93021.6 +2342.8	2216 9.3 101427.3 +2333.3	2306 8.5 105803.7 +2327.8	2396 8.5 114333.8 +2332.6
2127 9.0 93025.1 +2308.8	2217 8.8 101503.2 +2356.7	2307 9.5 105929.6 +2328.1	2397 9.0 114439.9 +2314.7
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2130 9.1 93124.1 +2330.1	2220 9.2 101731.2 +2356.1	2310 8.8 110108.5 +2342.3	2400 9.3 114521.4 +2332.5
2131 9.4 93144.9 +2300.4	2221 8.7 101739.9 +2350.1	2311 9.3 110125.1 +2352.4	2401 8.9 114558.3 +2342.5
2132 9.5 93226.5 +2310.1	2222 9.5 101740.5 +2359.8	2312 9.5 110204.3 +2342.0	2402 8.6 114631.7 +2326.7
2133 9.1 93246.1 +2359.2	2223 9.0 101811.8 +2327.0	2313 7.5 110236.3 +2329.2	2403 9.5 114813.9 +2348.4
2134 9.5 93255.2 +2309.5	2224 9.4 101823.1 +2313.3	2314 9.4 110321.5 +2353.2	2404 8.2 114814.0 +2326.8
2135 9.0 93258.1 +2320.1	2225 9.5 101846.2 +2310.8	2315 9.5 110322.3 +2342.0	2405 9.1 114819.3 +2328.9
2136 9.4 93321.0 +2314.1	2226 8.9 101909.2 +2357.2	2316 9.4 110415.0 +2337.5	2406 9.5 114901.2 +2331.8
2137 9.3 93324.5 +2313.0	2227 8.7 101912.2 +2330.3	2317 9.3 110438.3 +2324.7	2407 7.8 114950.3 +2326.8
2138 9.1 93338.3 +2332.8	2228 9.4 101915.0 +2336.5	2318 9.5 110552.8 +2312.7	2408 8.3 114952.6 +2347.0
2139 8.0 93348.2 +2338.1	2229 9.4 101921.4 +2304.5	2319 9.3 110601.6 +2359.6	2409 9.5 115038.7 +2314.4
2140 9.5 93504.2 +23 4.4	2230 9.0 101941.1 +2341.7	2320 9.3 110622.2 +2344.8	2410 9.5 115159.4 +2352.5
2141 9.5 93600.0 +2331.1	2231 9.4 102007.8 +2314.2	2321 9.5 110723.7 +2308.6	2411 8.3 115100.0 +2320.9
2142 9.5 93610.5 +2345.6	2232 9.5 102024.8 +2352.2	2322 5.0 110729.6 +2353.4	2412 9.5 115352.7 +2355.3
2143 8.8 93642.4 +2357.2	2233 9.5 102054.7 +2310.8	2323 9.1 110731.8 +2300.5	2413 9.0 115811.7 +2333.2
2144 9.4 93647.5 +2313.5	2234 9.3 102122.4 +2348.1	2324 9.2 110740.9 +2300.1	2414 9.3 115821.6 +2358.7
2145 9.0 93648.9 +2327.7	2235 9.3 102312.8 +2310.6	2325 9.5 110816.3 +2334.0	2415 9.5 115922.8 +2355.0
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2148 9.4 93943.6 +2311.6	2238 9.5 102508.2 +2347.8	2328 9.4 110916.3 +2315.2	2418 9.5 120023.3 +2350.8
2149 8.0 94043.6 +2314.6	2239 8.8 102518.8 +2334.6	2329 8.1 110943.7 +2336.8	2419 9.5 120025.0 +2344.6
2150 9.1 94053.0 +2357.6	2240 9.5 102541.5 +2313.0	2330 9.5 111145.0 +2306.7	2420 9.0 120045.5 +2302.3
2151 9.1 94137.5 +2348.0	2241 8.6 102557.3 +2333.3	2331 8.9 111211.6 +2349.9	2421 9.4 120117.2 +2330.9
2152 9.5 94150.5 +2310.4	2242 9.5 102941.3 +2322.6	2332 8.8 111218.5 +2339.1	2422 8.7 120208.7 +2355.6
2153 9.5 94159.4 +2340.1	2243 9.5 103019.5 +2306.3	2333 9.4 111227.6 +2332.5	2423 7.3 120236.3 +2326.7
2154 8.0 94350.3 +2340.8	2244 9.5 103026.7 +2358.8	2334 9.5 111250.5 +2350.3	2424 9.4 120242.9 +2301.2
2155 9.5 94355.1 +2300.5	2245 9.4 103034.8 +2330.1	2335 9.2 111256.1 +2334.7	2425 9.5 120331.2 +2324.6
2156 6.0 94441.8 +2317.9	2246 9.4 103126.8 +2312.7	2336 8.5 111302.3 +2340.9	2426 7.5 120335.2 +2339.8
2157 9.5 94621.7 +2322.9	2247 9.5 103134.8 +2341.5	2337 9.0 111410.0 +2328.6	2427 9.3 120339.8 +2343.6
2158 9.4 94648.5 +2341.1	2248 9.5 103135.9 +2307.7	2338 9.0 111434.0 +2351.3	2428 8.7 120348.7 +2356.7
2159 9.5 94702.1 +2354.4	2249 9.5 103210.3 +2325.4	2339 9.2 111437.8 +2337.5	2429 7.5 120357.8 +2324.0
2160 8.8 94737.9 +2319.1	2250 9.5 103211.5 +2344.4	2340 9.2 111451.4 +2338.1	2430 9.5 120427.5 +2358.0
2161 8.7 94822.0 +2349.4	2251 9.5 103357.8 +2339.8	2341 9.3 111505.3 +2327.1	2431 8.3 120438.7 +2354.0
2162 9.0 94917.7 +2303.3	2252 9.1 103405.9 +2313.3	2342 9.1 111511.0 +2316.5	2432 9.1 120544.4 +2326.6
2163 7.5 94959.9 +2322.5	2253 5.5 103521.8 +2357.2	2343 9.5 111612.9 +2346.3	2433 8.0 120622.5 +2341.5
2164 8.2 95115.5 +2357.6	2254 9.2 103621.0 +2339.5	2344 9.5 111637.9 +2340.0	2434 9.4 120656.1 +2338.8
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2166 9.5 95132.1 +2357.0	2256 9.5 103647.6 +2335.6	2346 9.5 111728.8 +2327.5	2436 8.7 120753.1 +2303.1
2167 9.0 95200.2 +2342.9	2257 9.3 103830.5 +2355.7	2347 9.0 111804.0 +2339.2	2437 9.5 120835.4 +2354.1
2168 9.3 95227.8 +2309.0	2258 9.0 103832.8 +2339.5	2348 9.2 111818.9 +2300.2	2438 8.5 120908.9 +2313.2
2169 9.5 95253.7 +2333.2	2259 9.0 103918.9 +2300.1	2349 7.0 111830.3 +2331.3	2439 9.4 120940.7 +2328.8
2170 9.1 95317.1 +2325.3	2260 9.4 103921.2 +2304.0	2350 9.2 112009.4 +2349.5	2440 9.2 120941.0 +2327.6
2171 9.5 95337.3 +2304.4	2261 8.0 103925.8 +2320.6	2351 9.3 112017.1 +2336.6	2441 7.7 121000.8 +2300.5
2172 9.3 95343.2 +2342.5	2262 9.0 103947.7 +2321.7	2352 9.5 112028.1 +2318.3	2442 8.8 121032.9 +2329.1
2173 9.4 95421.6 +2311.8	2263 9.1 103953.9 +2337.5	2353 8.2 112030.2 +2359.3	2443 9.4 121040.0 +2305.3
2174 8.8 95444.8 +2322.2	2264 8.5 104147.0 +2335.8	2354 9.3 112230.0 +2347.6	2444 8.9 121048.1 +2306.7
2175 9.5 95540.0 +2354.0	2265 7.8 104159.1 +2356.6	2355 9.0 112230.9 +2324.8	2445 8.5 121050.9 +2330.4
2176 7.8 95631.1 +2316.0	2266 9.5 104200.7 +2344.0	2356 8.8 112309.6 +2303.8	2446 9.5 121106.4 +2350.3
2177 9.0 95927.8 +2325.7	2267 9.1 104230.7 +2319.6	2357 9.1 112344.7 +2330.0	2447 8.5 121117.1 +2356.1
2178 9.4 95959.5 +2352.0	2268 9.5 104320.2 +2343.0	2358 7.5 112345.6 +2357.6	2448 6.3 121159.8 +2350.4
2179 9.5 100030.8 +2305.4	2269 9.1 104348.5 +2339.9	2359 9.4 112412.8 +2327.9	2449 8.3 121204.9 +2320.8
2180 9.3 100121.1 +2308.5	2270 9.5 104350.7 +2345.4	2360 9.0 112418.6 +2337.2	2450 9.4 121222.0 +2316.3
2181 9.5 100206.3 +2346.3	2271 9.0 104449.0 +2357.6	2361 8.0 112465.6 +2341.1	2451 8.0 121233.5 +2342.8
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2183 9.4 100325.8 +2348.3	2273 9.4 104501.5 +2320.8	2363 9.5 112723.9 +2358.2	2453 8.4 121505.9 +2316.2
2184 9.5 100354.9 +2310.8	2274 9.2 104523.2 +2302.7	2364 9.3 112740.3 +2337.5	2454 9.4 121506.5 +2312.9
2185 9.3 100358.2 +2341.8	2275 9.4 104544.7 +2324.2	2365 8.5 112902.6 +2311.8	2455 9.0 121529.2 +2339.1
2186 8.8 100420.9 +2304.9	2276 8.7 104641.7 +2343.0	2366 9.5 112950.1 +2323.5	2456 9.5 121610.9 +2339.1
2187 9.3 100434.5 +2342.9	2277 7.3 104741.5 +2356.2	2367 9.3 113041.1 +2344.4	2457 9.5 121741.4 +2320.8
2188 9.5 100444.6 +2353.9	2278 9.5 104804.3 +2330.3	2368 9.3 113100.8 +2312.0	2458 8.3 121746.5 +2344.8
2189 9.1 100448.8 +2309.8	2279 6.3 104828.1 +2307.9	2369 9.5 113111.9 +2334.8	2459 9.5 121909.4 +2328.6
2190 8.3 100501.5 +2334.3	2280 9.5 104845.0 +2332.6	2370 9.0 113211.4 +2353.2	2460 9.3 121913.1 +2354.6
2191 9.5 100511.5 +2325.7	2281 9.5 104855.5 +2301.9	2371 9.4 113221.6 +2310.2	2461 9.3 121924.1 +2350.3
2192 9.4 100533.0 +2318.8	2282 9.5 104946.8 +2330.6	2372 9.5 113222.4 +2357.6	2462 9.5 121941.4 +2335.5
2193 9.5 100535.0 +2314.5	2283 9.5 104952.3 +2343.3	2373 8.8 113303.5 +2310.6	2463 9.3 122049.6 +2356.7
2194 9.3 100555.9 +2356.1	2284 9.5 105002.3 +2315.7	2374 9.5 113405.6 +2312.7	2464 9.4 122151.2 +2356.1
2195 9.5 100558.0 +2310.6	2285 9.4 105040.4 +2310.1	2375 6.5 113434.6 +2301.1	2465 8.3 122309.7 +2341.0
2196 8.9 100605.7 +2329.1	2286 9.3 105107.2 +2355.7	2376 9.4 113528.6 +2312.6	2466 8.2 122309.7 +2341.0
2197 9.3 100641.3 +2343.0	2287 9.3 105151.7 +2336.8	2377 9.5 113540.6 +2314.4	2467 7.4 122430.5 +2345.6
2198 9.5 100706.8 +2351.5	2288 8.7 105201.7 +2343.7	2378 9.5 113553.4 +2302.8	2468 9.3 122431.0 +2319.6

+23 2469 12h24m

+23 2828 15h27m

2469	9.2	122439.5	+2321.2	2559	9.0	131228.1	+2332.9	2649	9.5	140015.3	+2342.1	2739	9.0	144224.6	+2341.7
2470	9.5	122456.9	+2310.8	2560	8.3	131229.8	+2334.9	2650	9.1	140018.6	+2354.5	2740	8.9	144229.0	+2342.4
2471	9.0	122529.9	+2348.7	2561	9.0	131243.4	+2349.7	2651	8.9	140031.8	+2350.9	2741	8.7	144230.1	+2346.8
2472	9.5	122604.4	+2311.8	2562	8.5	131406.5	+2313.6	2652	8.7	140039.3	+2309.4	2742	9.4	144238.5	+2346.8
2473	9.5	122615.9	+2317.2	2563	9.5	131456.6	+2307.4	2653	8.3	140133.8	+2315.6	2743	9.4	144251.4	+2349.2
2474	9.5	122643.9	+2321.8	2564	8.0	131459.0	+2304.3	2654	9.5	140209.3	+2325.1	2744	7.0	144311.7	+2338.2
2475	4.8	122737.4	+2325.9	2565	9.0	131643.3	+2318.0	2655	9.5	140215.3	+2352.5	2745	9.3	144352.7	+2350.8
2476	8.3	122743.5	+2356.6	2566	9.5	131704.9	+2342.5	2656	9.5	140222.6	+2328.9	2746	9.5	144358.2	+2351.2
2477	9.3	122842.1	+2304.0	2567	9.5	131733.8	+2320.8	2657	8.5	140259.4	+2351.7	2747	7.9	144415.3	+2330.6
2478	9.4	123054.9	+2326.3	2568	8.3	131736.7	+2357.3	2658	9.5	140305.3	+2325.6	2748	9.4	144527.2	+2326.4
2479	7.0	123149.4	+2326.7	2569	8.8	131945.4	+2334.2	2659	9.3	140406.8	+2309.4	2749	8.2	144614.7	+2357.3
2480	9.4	123218.9	+2333.9	2570	8.4	131945.4	+2304.4	2660	9.1	140432.8	+2330.8	2750	9.5	144715.9	+2328.2
2481	9.4	123226.7	+2321.9	2571	8.4	132015.9	+2342.8	2661	8.1	140435.1	+2321.6	2751	8.5	144722.4	+2356.2
2482	9.5	123259.8	+2306.0	2572	9.5	132047.1	+2332.9	2662	7.5	140554.3	+2304.1	2752	9.1	144841.8	+2358.7
2483	9.3	123311.8	+2349.0	2573	9.5	132120.2	+2340.8	2663	9.5	140559.8	+2313.2	2753	9.5	144934.3	+2322.0
2484	9.3	123327.9	+2346.6	2574	9.5	132120.3	+2324.9	2664	9.0	140702.8	+2321.2	2754	9.5	145020.8	+2333.5
2485	9.5	123342.3	+2339.1	2575	7.5	132336.4	+2316.7	2665	9.2	140720.9	+2353.3	2755	9.1	145024.4	+2312.7
2486	9.1	123342.9	+2324.2	2576	9.4	132424.9	+2351.5	2666	9.3	140724.3	+2306.8	2756	9.3	145040.7	+2343.0
2487	9.5	123356.0	+2349.0	2577	9.2	132510.3	+2310.1	2667	9.5	140800.8	+2350.0	2757	9.4	145138.9	+2315.1
2488	9.5	123419.8	+2357.2	2578	8.0	132519.4	+2355.6	2668	8.9	140807.8	+2329.7	2758	9.1	145143.9	+2314.2
2489	9.5	123552.2	+2359.2	2579	9.4	132525.8	+2307.0	2669	9.4	140852.6	+2300.3	2759	9.4	145348.4	+2301.5
2490	9.3	123707.6	+2347.8	2580	9.1	132536.9	+2315.2	2670	9.4	140913.8	+2339.4	2760	9.5	145507.0	+2332.2
2491	8.8	123944.9	+2315.0	2581	9.1	132546.3	+2313.9	2671	8.4	140955.1	+2321.8	2761	9.5	145547.0	+2301.2
2492	7.9	123956.5	+2322.9	2582	9.3	132551.3	+2326.3	2672	9.5	141115.6	+2358.5	2762	9.5	14563.3	+2302.1
2493	9.4	124014.9	+2352.7	2583	9.5	132611.2	+2354.2	2673	9.5	141118.7	+2347.6	2763	9.5	14572.9	+2309.4
2494	7.6	124043.8	+2330.6	2584	8.8	132626.9	+2345.9	2674	9.5	141124.0	+2313.8	2764	8.8	145753.8	+2344.1
2495	9.5	124054.8	+2304.7	2585	8.6	132653.9	+2327.0	2675	9.5	141131.2	+2303.9	2765	9.5	145807.3	+2353.5
2496	9.5	124057.4	+2354.2	2586	9.1	132745.8	+2347.4	2676	9.5	141200.8	+2321.0	2766	9.3	145816.3	+2347.6
2497	9.5	124143.3	+2354.8	2587	6.5	132821.9	+2314.6	2677	8.4	141201.1	+2344.0	2767	9.3	145825.9	+2334.5
2498	9.3	124152.9	+2348.6	2588	7.5	132831.5	+2333.0	2678	9.4	141221.7	+2335.8	2768	9.3	145827.4	+2309.7
2499	9.5	124221.8	+2344.2	2589	9.0	132955.5	+2330.4	2679	9.5	141237.8	+2357.1	2769	9.3	145841.1	+2332.9
2500	8.9	124227.0	+2355.3	2590	9.5	133053.9	+2347.4	2680	9.5	141246.1	+2358.1	2770	9.5	145855.1	+2337.4
2501	9.4	124246.8	+2351.0	2591	6.5	133109.9	+2315.6	2681	9.1	141311.4	+2305.6	2771	9.5	145925.0	+2321.9
2502	6.5	124306.5	+2339.4	2592	9.5	133147.3	+2342.0	2682	9.1	141330.9	+2342.0	2772	8.5	145925.3	+2314.9
2503	9.5	124314.5	+2309.0	2593	8.4	133149.5	+2327.7	2683	9.5	141331.0	+2350.9	2773	9.1	145928.8	+2355.9
2504	9.0	124330.0	+2353.7	2594	9.5	133154.3	+2341.8	2684	9.5	141447.5	+2307.6	2774	9.4	150018.4	+2309.3
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2506	8.8	124406.4	+2348.4	2596	9.3	133247.5	+2304.1	2686	9.5	141516.8	+2308.0	2776	7.3	150050.8	+2328.6
2507	9.4	124424.5	+2302.8	2597	8.9	133321.1	+2312.0	2687	9.1	141615.2	+2352.9	2777	9.5	150118.7	+2347.5
2508	9.5	124438.0	+2319.4	2598	9.1	133324.7	+2315.3	2688	8.9	141628.5	+2317.6	2778	8.9	150227.3	+2332.9
2509	9.5	124718.4	+2359.0	2599	9.5	133330.2	+2325.2	2689	9.5	141643.2	+2320.1	2779	9.4	150252.9	+2305.8
2510	8.8	124838.6	+2310.0	2600	5.5	133413.9	+2316.6	2690	9.0	141721.2	+2311.7	2780	8.7	150253.1	+2321.5
2511	9.4	124935.6	+2336.4	2601	8.0	133514.4	+2321.8	2691	9.3	141748.2	+2343.0	2781	9.2	150259.0	+2305.1
2512	9.5	124949.6	+2351.2	2602	9.3	133610.9	+2352.1	2692	8.5	141808.7	+2319.6	2782	8.5	150412.7	+2312.3
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+23 3547 18h58m

+23 3189 17h43m

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+23 4624 22h44m

+23 4625 22h45m

+22 129 0h41m

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4626	9.0	224516.0	+2302.6	4716	9.6	231022.2	+2352.4	4805	9.3	233825.1	+2311.2	41	9.0	01053.5	+2255.8
4627	9.3	224534.1	+2317.8	4717	9.0	231026.2	+2343.7	4806	9.0	233829.7	+2305.1	42	7.0	01109.0	+2204.3
4628	8.5	224535.4	+2323.1	4718	9.4	231049.4	+2341.4	4807	8.9	233904.0	+2337.1	43	9.5	01141.7	+2229.3
4629	9.6	224537.7	+2347.5	4719	9.4	231113.4	+2302.5	4808	9.4	233941.2	+2310.4	44	9.5	01143.1	+2221.7
4630	9.4	224537.9	+2340.5	4720	8.1	231121.0	+2329.7	4809	9.4	233953.2	+2344.0	45	9.4	01305.8	+2248.9
4631	9.4	224612.8	+2311.4	4721	9.5	231211.1	+2340.3	4810	8.3	233955.0	+2307.8	46	9.1	01320.0	+2257.0
4632	9.6	224642.1	+2356.2	4722	9.4	231211.9	+2308.5	4811	9.5	234032.3	+2344.5	47	9.4	01328.5	+2234.4
4633	7.6	224741.4	+2337.9	4723	7.6	231231.8	+2302.1	4812	9.5	234202.1	+2338.0	48	9.4	01332.6	+2244.1
4634	9.3	224754.5	+2329.3	4724	9.5	231240.6	+2320.8	4813	7.9	234203.1	+2303.8	49	8.9	01352.1	+2218.9
4635	9.2	224906.6	+2353.5	4724a	9.5	231243.7	+2348.6	4814	9.5	234241.1	+2338.5	50	9.5	01442.5	+2235.9
4636	9.4	224924.9	+2309.8	4725	9.3	231246.3	+2356.1	4815	9.2	234356.6	+2319.5	51	9.1	01443.6	+2222.8
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4639	9.5	224956.7	+2306.2	4728	9.0	231343.2	+2313.6	4818	9.5	234558.4	+2304.8	54	9.5	01636.6	+2228.0
4640	8.0	225000.7	+2355.1	4729	9.5	231343.2	+2305.7	4819	9.5	234608.3	+2347.9	55	9.5	01702.0	+2203.6
4641	9.4	225005.8	+2350.6	4730	9.2	231348.4	+2327.3	4820	8.8	234617.4	+2340.1	56	7.4	01707.1	+2217.9
4642	8.3	225006.4	+2329.6	4731	9.5	231404.4	+2312.0	4821	8.8	234621.8	+2352.4	57	7.5	01729.2	+2231.4
4643	9.6	225016.8	+2308.4	4732	9.4	231420.6	+2350.5	4822	9.4	234622.3	+2315.6	58	7.7	01806.8	+2208.4
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4645	8.2	225052.6	+2319.6	4734	9.5	231447.6	+2324.5	4824	9.2	234807.0	+2330.4	60	9.6	01818.5	+2243.0
4646	9.5	225109.8	+2343.1	4735	8.7	231454.9	+2329.7	4825	9.4	234825.4	+2312.0	61	9.1	01826.4	+2219.3
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4649	8.2	225143.1	+2304.6	4738	9.3	231553.9	+2357.6	4828	9.5	234854.1	+2322.0	64	9.5	01931.4	+2222.4
4650	8.2	225211.6	+2316.8	4739	8.5	231708.7	+2312.3	4829	8.5	234956.4	+2334.7	65	8.4	02012.1	+2239.2
4651	9.5	225222.4	+2350.0	4740	9.2	231714.0	+2341.8	4830	8.0	235041.1	+2333.6	66	7.9	02019.0	+2245.8
4652	9.5	225222.6	+2355.3	4741	9.3	231736.3	+2315.4	4831	8.5	235105.1	+2337.1	67	9.3	02020.4	+2257.8
4653	9.5	225222.6	+2354.4	4742	9.3	231803.6	+2315.5	4832	9.4	235120.7	+2316.8	68	8.6	02046.0	+2256.1
4654	9.4	225235.5	+2356.8	4743	9.2	231815.8	+2357.2	4833	8.6	235127.1	+2322.7	69	8.9	02131.8	+2229.4
4655	8.9	225244.8	+2310.3	4744	9.3	231854.5	+2306.0	4834	8.6	235155.6	+2356.5	70	9.0	02200.9	+2203.9
4656	9.5	225309.5	+2322.1	4745	9.5	231912.0	+2349.8	4835	9.3	235204.4	+2312.6	71	9.1	02242.1	+2228.6
4657	9.2	225318.1	+2353.0	4746	9.5	231919.0	+2304.2	4836	9.1	235212.5	+2326.8	72	8.4	02300.0	+2240.9
4658	9.6	225348.7	+2329.1	4747	8.6	231946.9	+2339.3	4837	9.5	235213.1	+2321.4	73	9.5	02350.0	+2214.8
4659	8.8	225354.2	+2338.1	4748	9.5	232052.4	+2359.2	4838	9.4	235220.1	+2343.9	74	8.7	02350.3	+2207.9
4660	8.8	225400.9	+2313.7	4749	9.5	232125.1	+2326.8	4839	8.7	235221.5	+2346.7	75	8.4	02406.0	+2254.1
4661	8.8	225412.9	+2349.5	4750	8.9	232209.7	+2352.6	4840	9.3	235233.0	+2340.4	76	9.5	02414.5	+2257.5
4662	9.4	225442.7	+2349.9	4751	9.5	232215.6	+2331.5	4841	9.5	235340.2	+2354.7	77	9.2	02438.1	+2207.6
4663	9.4	225530.0	+2328.3	4752	7.4	232241.7	+2358.4	4842	9.3	235354.7	+2334.0	78	8.6	02443.1	+2217.6
4664	9.5	225537.4	+2329.8	4753	9.5	232248.0	+2305.7	4843	9.4	235409.7	+2339.0	79	7.5	02503.5	+2223.2
4665	9.3	225544.4	+2333.3	4754	9.5	232331.4	+2351.8	4844	6.6	235418.1	+2326.8	80	9.2	02519.7	+2203.9
4666	9.0	225552.5	+2336.4	4755	9.3	232351.1	+2314.7	4845	9.2	235425.4	+2310.6	81	9.4	02531.4	+2215.8
4667	9.5	225629.6	+2315.4	4756	8.7	232412.8	+2346.5	4846	9.1	235427.1	+2328.7	82	8.2	02601.6	+2227.2
4668	9.2	225700.0	+2308.0	4757	7.7	232428.6	+2319.1	4847	8.5	235459.6	+2305.5	83	9.5	02611.5	+2222.1
4669	9.2	225714.4	+2352.0	4758	9.5	232436.5	+2358.1	4848	9.2	235517.1	+2344.3	84	9.3	02618.6	+2247.8
4670	9.2	225728.2	+2337.9	4759	6.8	232515.4	+2302.9	4849	8.5	235527.2	+2319.2	85	9.5	02646.6	+2258.1
4671	9.2	225740.1	+2306.7	4760	8.7	232519.0	+2350.6	4850	9.3	235651.1	+2334.0	86	8.5	02718.3	+2206.0
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4674	9.3	225816.1	+2315.6	4763	9.3	232559.7	+2336.9	4853	6.3	235830.8	+2344.9	89	9.5	02820.1	+2217.0
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4676	9.3	225823.6	+2331.7	4765	9.3	232622.7	+2340.9	1	9.4	00030.0	+2250.3	91	9.5	02846.1	+2259.2
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4678	9.5	230014.4	+2301.2	4767	6.5	232746.0	+2337.5	3	9.5	00106.1	+2237.5	93	9.5	02905.6	+2202.5
4679	9.5	230042.8	+2352.1	4768	9.2	232831.3	+2313.5	4	9.0	00114.7	+2249.7	94	9.3	03034.0	+2251.7
4680	9.4	230105.3	+2355.2	4769	6.7	232841.4	+2345.5	5	9.1	00132.2	+2250.3	95	9.3	03039.8	+2259.6
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4682	9.3	230224.8	+2319.4	4771	9.5	232955.4	+2344.6	7	9.1	00231.6	+2252.3	97	9.5	03133.5	+2210.4
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4688	8.8	230358.0	+2355.4	4777	9.3	233115.2	+2325.8	13	9.5	00351.3	+2230.6	103	8.7	03303.1	+2218.7
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1241	30.0	60607.6	+2232.8	1331	8.5	61831.7	+2204.3	1421	8.6	63046.9	+2207.3	1511	9.2	64528.2	+2213.3
1242	9.4	60611.7	+2226.1	1332	9.4	61844.7	+2226.6	1422	9.5	63051.7	+2219.1	1512	9.0	64536.3	+2259.8
1243	8.5	60630.5	+2220.0	1333	9.5	61849.5	+2253.9	1423	9.5	63103.7	+2235.1	1513	9.6	64537.7	+2228.8
1244	9.3	60632.9	+2219.3	1334	9.5	61852.6	+2211.9	1424	8.8	63108.6	+2220.6	1514	9.5	64555.9	+2208.5
1245	9.2	60638.4	+2210.8	1335	9.0	61855.6	+2233.8	1425	9.5	63120.2	+2217.5	1515	7.9	64620.5	+2243.8
1246	9.4	60642.0	+2229.6	1336	9.4	61855.6	+2233.8	1426	9.4	63124.1	+2201.2	1516	9.5	64626.3	+2258.9
1247	9.5	60643.3	+2248.6	1337	9.5	61917.4	+2201.6	1427	9.3	63129.6	+2232.4	1517	9.5	64636.2	+2225.8
1248	9.5	60704.0	+2257.7	1338	9.4	61917.4	+2210.0	1428	9.0	63208.4	+2259.4	1518	8.7	64638.8	+2216.7
1249	9.5	60711.6	+2221.5	1339	9.4	61921.2	+2207.4	1429	9.4	63213.3	+2251.2	1519	9.4	64659.0	+2221.4
1250	8.8	60714.9	+2212.5	1340	9.5	61924.4	+2253.9	1430	9.5	63214.5	+2246.5	1520	9.5	64734.5	+2201.9
1251	9.4	60743.5	+2221.0	1341	9.5	61954.8	+2243.4	1431	9.5	63214.5	+2202.1	1521	9.3	64823.4	+2256.9
1252	9.5	60748.3	+2246.4	1342	8.8	62007.2	+2236.6	1432	9.3	63218.4	+2256.4	1522	9.5	64827.8	+2255.0
1253	8.3	60807.4	+2213.1	1343	9.0	62030.5	+2255.9	1433	9.5	63220.7	+2227.6	1523	8.8	64834.5	+2201.7
1254	9.2	60812.8	+2214.5	1344	9.5	62035.6	+2234.0	1434	9.5	63223.8	+2210.2	1524	8.9	64839.2	+2253.5
1255	9.2	60827.4	+2207.1	1345	9.5	62052.7	+2237.1	1435	9.5	63244.1	+2242.3	1525	9.5	64857.7	+2209.9
1256	9.4	60834.4	+2251.5	1346	9.5	62103.6	+2253.8	1436	9.5	63255.6	+2204.4	1526	9.3	64859.6	+2204.8
1257	8.0	60835.8	+2211.8	1347	9.0	62107.4	+2252.0	1437	9.5	63301.4	+2230.7	1527	9.0	64903.7	+2201.3
1258	9.3	60840.7	+2228.8	1348	9.5	62114.5	+2216.1	1438	9.1	63308.5	+2247.0	1528	9.3	64910.6	+2206.0
1259	9.5	60842.0	+2248.4	1349	9.5	62124.7	+2211.3	1439	9.1	63309.5	+2240.8	1529	9.3	64910.7	+2242.8
1260	9.5	60843.3	+2253.8	1350	9.5	62130.0	+2217.3	1440	9.5	63313.9	+2204.5	1530	9.3	64922.1	+2209.7
1261	9.2	60851.5	+2245.9	1351	9.4	62132.4	+2211.2	1441	9.4	63334.0	+2255.8	1531	7.3	64927.5	+2239.5
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1265	9.5	60912.8	+2216.1	1355	9.5	62156.6	+2203.3	1445	9.1	63349.8	+2215.6	1535	9.1	65026.3	+2220.9
1266	9.5	60913.0	+2202.6	1356	9.0	62159.5	+2200.2	1446	9.2	63355.9	+2237.4	1536	9.5	65036.8	+2238.1
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1270	9.3	60926.2	+2244.0	1360	9.3	62231.1	+2253.6	1450	8.7	63500.6	+2236.2	1540	9.5	65102.9	+2223.9
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1273	8.6	60945.4	+2243.8	1363	9.5	62306.1	+2249.1	1453	8.5	63539.5	+2243.0	1543	9.4	65126.9	+2256.5
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1275	8.9	60952.9	+2210.9	1365	9.5	62324.7	+2220.7	1455	9.5	63543.7	+2204.6	1545	9.2	65129.8	+2242.7
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1277	9.5	61039.2	+2206.7	1367	9.3	62339.7	+2207.4	1457	9.5	63611.4	+2250.4	1547	9.5	65157.6	+2213.4
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+22 1924 8h15m

+22 1925 8h16m

1925	9.2	81604.4	+2211.9	2015	8.0	84608.9	+2222.3	2105	9.5	92618.4	+2211.0	2195	9.5	100847.0	+2247.4
1926	9.0	81619.7	+2215.6	2016	9.3	84634.0	+2221.6	2106	9.5	92634.0	+2230.2	2196	9.4	100853.0	+2250.7
1927	9.4	81619.7	+2252.4	2017	9.5	84643.7	+2243.0	2107	9.4	92655.2	+2234.2	2197	7.5	100859.9	+2239.0
1928	8.9	81642.7	+2217.9	2018	9.5	84706.4	+2238.9	2108	7.5	92839.3	+2253.8	2198	9.5	100906.8	+2202.8
1929	8.5	81648.6	+2249.5	2019	9.5	84720.2	+2258.7	2109	9.4	92851.2	+2200.7	2199	9.5	100946.4	+2200.1
1930	9.2	81655.6	+2247.3	2020	9.4	84727.0	+2200.2	2110	9.0	92856.3	+2202.6	2200	7.8	100958.0	+2242.2
1931	8.9	81658.0	+2256.9	2021	8.1	84737.7	+2214.5	2111	8.4	92857.5	+2211.6	2201	9.0	101023.9	+2237.8
1932	9.1	81816.3	+2248.8	2022	9.1	84744.2	+2208.3	2112	7.6	93032.3	+2211.6	2202	9.4	101041.3	+2229.4
1933	9.5	81846.5	+2221.2	2023	9.5	84745.4	+2258.9	2113	9.5	93051.0	+2246.0	2203	8.6	101045.5	+2250.8
1934	9.5	81906.8	+2214.7	2024	9.5	84745.8	+2242.1	2114	8.0	93123.4	+2250.6	2204	8.7	101108.5	+2247.4
1935	9.1	81927.8	+2235.3	2025	8.9	84800.7	+2224.8	2115	9.5	93326.0	+2207.9	2205	9.5	101119.6	+2200.0
1936	9.4	81948.5	+2242.4	2026	9.5	84811.5	+2259.6	2116	8.5	93354.6	+2212.9	2206	9.4	101135.2	+2201.2
1937	8.8	82037.1	+2243.3	2027	9.2	84826.3	+2226.5	2117	9.5	93354.9	+2237.1	2207	9.5	101157.2	+2249.9
1938	9.3	82120.0	+2223.9	2028	9.5	84840.1	+2233.7	2118	9.0	93404.0	+2223.7	2208	7.5	101215.0	+2243.9
1939	9.3	82124.3	+2255.4	2029	6.7	84842.7	+2224.8	2119	9.3	93413.0	+2226.5	2209	9.4	101340.5	+2229.9
1940	9.5	82124.3	+2214.8	2030	9.5	84907.0	+2218.9	2120	9.5	93447.3	+2226.5	2210	9.0	101344.1	+2208.1
1941	8.8	82126.4	+2230.0	2031	9.5	85008.3	+2218.2	2121	9.0	93500.9	+2252.8	2211	9.3	101344.5	+2214.1
1942	9.1	82158.7	+2232.1	2032	9.5	85043.5	+2248.8	2122	9.5	93534.2	+2229.3	2212	9.0	101350.8	+2204.6
1943	9.5	82210.6	+2242.4	2033	9.3	85117.4	+2249.8	2123	9.4	93535.7	+2225.8	2213	9.5	101553.4	+2254.1
1944	9.5	82211.0	+2220.5	2034	9.3	85121.0	+2232.3	2124	8.3	93544.5	+2244.7	2214	9.4	101608.3	+2248.4
1945	9.5	82248.2	+2243.8	2035	9.5	85204.3	+2228.6	2125	9.5	93638.6	+2202.0	2215	9.3	101652.5	+2237.5
1946	9.5	82302.5	+2254.7	2036	9.3	85222.1	+2220.2	2126	9.4	93645.9	+2235.8	2216	9.1	101816.5	+2232.6
1947	9.3	82320.6	+2214.8	2037	8.5	85223.8	+2201.9	2127	9.2	93720.5	+2249.3	2217	8.2	101924.5	+2221.3
1948	9.2	82322.5	+2253.4	2038	9.5	85415.0	+2231.7	2128	9.4	93810.7	+2258.7	2218	9.5	101936.8	+2205.3
1949	8.9	82332.4	+2210.4	2039	7.6	85424.5	+2205.3	2129	9.4	93831.9	+2220.1	2219	9.5	101951.0	+2200.5
1950	8.9	82402.0	+2253.9	2040	9.4	85427.9	+2245.3	2130	9.5	93940.4	+2203.0	2220	9.2	102047.5	+2219.2
1951	9.5	82437.1	+2251.0	2041	7.4	85428.4	+2249.5	2131	9.0	94040.8	+2243.4	2221	9.3	102051.5	+2222.3
1952	8.8	82442.2	+2221.9	2042	9.5	85552.7	+2224.4	2132	9.4	94042.0	+2258.9	2222	9.4	102122.0	+2217.6
1953	9.4	82534.2	+2256.1	2043	9.4	85608.0	+2232.5	2133	9.5	94053.9	+2250.7	2223	9.1	102129.5	+2233.2
1954	9.5	82542.0	+2213.8	2044	9.5	85619.6	+2205.8	2134	9.0	94044.3	+2238.1	2224	9.5	102145.5	+2237.4
1955	9.0	82550.7	+2259.8	2045	9.5	85624.7	+2224.9	2135	8.8	94210.4	+2248.8	2225	9.2	102155.7	+2249.1
1956	9.5	82632.8	+2241.0	2046	9.5	85624.8	+2210.3	2136	9.4	94234.9	+2249.6	2226	9.5	102208.3	+2201.8
1957	9.5	82652.4	+2252.2	2047	9.5	85644.8	+2258.1	2137	9.3	94243.4	+2252.9	2227	8.5	102223.0	+2217.9
1958	9.5	82701.3	+2250.0	2048	9.3	85658.3	+2207.6	2138	8.3	94457.6	+2248.8	2228	9.5	102234.6	+2254.6
1959	9.3	82713.2	+2216.3	2049	9.3	85717.2	+2208.4	2139	9.4	94520.3	+2230.1	2229	9.5	102237.0	+2232.5
1960	9.3	82729.9	+2258.2	2050	9.0	85817.2	+2235.4	2140	9.5	94617.4	+2255.2	2230	8.7	102311.1	+2256.7
1961	9.2	82808.3	+2218.2	2051	7.7	85832.1	+2258.8	2141	9.1	94620.1	+2208.9	2231	8.9	102312.4	+2200.6
1962	7.7	82812.2	+2240.9	2052	9.0	85857.1	+2231.2	2142	9.2	94639.8	+2205.9	2232	7.0	102403.5	+2246.1
1963	9.2	82818.7	+2213.7	2053	9.5	85859.2	+2246.2	2143	9.4	94644.9	+2228.3	2233	9.5	102411.5	+2257.7
1964	9.3	82848.4	+2249.0	2054	9.5	85909.0	+2250.4	2144	9.5	94806.6	+2220.0	2234	9.0	102547.3	+2218.9
1965	8.6	82854.3	+2229.0	2055	8.8	85913.8	+2212.4	2145	9.4	94839.3	+2211.3	2235	9.3	102615.4	+2230.1
1966	9.5	82918.1	+2231.2	2056	9.5	85932.1	+2229.5	2146	9.5	94940.4	+2234.2	2236	7.0	102629.0	+2220.6
1967	9.5	82932.9	+2244.5	2057	9.5	85950.2	+2251.5	2147	8.2	95023.4	+2259.9	2237	8.9	102657.5	+2228.1
1968	9.5	82947.6	+2254.2	2058	9.1	90010.3	+2215.9	2148	6.7	95124.3	+2201.6	2238	9.5	102717.3	+2202.2
1969	9.5	83029.2	+2240.3	2059	9.1	90014.9	+2259.0	2149	9.5	95130.8	+2224.2	2239	9.5	102721.5	+2236.1
1970	9.5	83033.5	+2218.3	2060	8.7	90059.0	+2248.6	2150	9.5	95141.6	+2207.0	2240	7.5	102724.1	+2208.1
1971	9.4	83043.9	+2211.4	2061	4.8	90103.2	+2236.9	2151	9.1	95201.6	+2217.3	2241	9.5	102745.0	+2255.5
1972	9.5	83156.7	+2203.0	2062	9.5	90132.0	+2247.3	2152	9.5	95225.4	+2212.2	2242	9.3	102832.5	+2211.3
1973	9.3	83233.0	+2232.2	2063	6.5	90203.0	+2234.6	2153	8.7	95228.8	+2210.1	2243	8.5	102850.5	+2221.0
1974	9.3	83239.6	+2204.1	2064	9.4	90207.8	+2248.9	2154	9.0	95251.6	+2232.3	2244	9.5	102900.0	+2240.6
1975	9.1	83302.6	+2247.0	2065	7.9	90211.7	+2214.3	2155	9.1	95257.4	+2216.0	2245	9.5	102932.0	+2218.2
1976	9.0	83413.8	+2234.8	2066	9.3	90344.2	+2251.5	2156	8.8	95312.8	+2241.4	2246	9.5	102941.0	+2247.2
1977	9.4	83432.1	+2210.0	2067	9.5	90410.9	+2254.4	2157	9.4	95327.4	+2219.7	2247	8.4	103005.5	+2249.4
1978	9.5	83440.8	+2256.2	2068	9.5	90457.7	+2257.2	2158	9.3	95330.7	+2207.1	2248	9.5	103019.4	+2235.0
1979	9.3	83451.0	+2221.9	2069	9.2	90532.3	+2256.0	2159	9.5	95338.9	+2252.0	2249	9.5	103020.0	+2213.3
1980	9.5	83459.3	+2211.3	2070	9.3	90706.9	+2251.8	2160	8.6	95402.4	+2224.5	2250	9.5	103049.0	+2214.8
1981	9.3	83538.6	+2225.8	2071	9.3	90716.2	+2248.3	2161	9.1	95419.2	+2224.5	2251	8.3	103126.5	+2219.6
1982	9.5	83620.1	+2202.4	2072	8.0	90932.7	+2223.7	2162	9.2	95424.4	+2202.5	2252	7.9	103127.1	+2256.7
1983	8.6	83629.9	+2222.8	2073	9.2	90953.3	+2201.0	2163	8.8	95426.1	+2212.7	2253	8.8	103152.8	+2209.8
1984	9.5	83631.5	+2253.7	2074	9.0	91020.1	+2210.6	2164	5.3	95444.4	+2239.7	2254	9.5	103219.3	+2202.8
1985	9.4	83703.8	+2211.0	2075	9.5	91021.0	+2252.7	2165	9.3	95525.9	+2202.0	2255	8.6	103225.5	+2234.4
1986	9.3	83709.2	+2208.3	2076	9.5	91142.7	+2243.7	2166	9.1	95548.0	+2212.5	2256	9.5	103228.8	+2242.3
1987	9.5	83752.3	+2203.2	2077	9.2	91200.1	+2252.2	2167	8.8	95620.5	+2252.5	2257	9.3	103308.4	+2251.9
1988	7.4	83802.1	+2253.0	2078	8.4	91235.0	+2216.9	2168	9.5	95626.9	+2256.2	2258	8.2	103359.5	+2256.0
1989	8.4	83810.9	+2209.5	2079	9.5	91322.9	+2246.1	2169	8.6	95628.1	+2208.7	2259	9.5	103404.5	+2252.3
1990	9.0	83825.1	+2209.7	2080	9.1	91327.0	+2234.4	2170	8.8	95631.4	+2213.5	2260	9.2	103411.0	+2237.8
1991	8.6	83850.6	+2204.3	2081	9.5	91340.5	+2227.2	2171	8.9	95635.4	+2220.8	2261	9.2	103506.5	+2239.2
1992	9.3	83925.2	+2209.0	2082	8.2	91344.8	+2206.4	2172	9.2	95657.6	+2201.1	2262	8.7	103528.0	+2236.8
1993	9.5	83925.7	+2258.2	2083	9.2	91346.9	+2258.3	2173	8.5	95701.2	+2231.7	2263	9.5	103543.9	+2219.2
1994	9.5	83948.0	+2229.6	2084	9.2	91347.2	+2201.8	2174	8.2	95707.1	+2240.4	2264	8.7	103552.2	+2214.8
1995	9.5	84015.0	+2247.9	2085	9.5	91408.5	+2208.6	2175	9.5	95723.2	+2237.6	2265	9.5	103558.5	+2206.6
1996	9.4	84020.3	+2205.4	2086	9.0	91452.0	+2256.8	2176	9.3	95723.4	+2234.2	2266	9.3	103609.0	+2234.7
1997	9.0	84027.9	+2244.2	2087	9.1	91501.5	+2249.2	2177	9.4	95735.8	+2211.2	2267	9.3	103635.5	+2234.1
1998	9.0	84032.7	+2246.5	2088	9.5	91613.1	+2243.1	2178	9.5	95749.5	+2234.5	2268	9.2	1037	

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+22 3722 19h24m

+22 4081 20h23m

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3725	9.3	192549.8	+2205.4	3815	9.5	194233.5	+2234.3	3905	9.5	195730.3	+2224.1	3995	9.5	200956.7	+2203.0
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3752	7.5	193228.3	+2242.6	3842	9.4	194653.9	+2207.2	3932	9.5	200103.7	+2214.4	4022	9.3	201428.1	+2202.9
3753	9.4	193229.2	+2233.0	3843	9.4	194705.9	+2214.5	3933	9.3	200132.3	+2201.4	4023	9.5	201428.5	+2237.5
3754	7.7	193236.3	+2247.4	3844	9.5	194709.6	+2229.7	3934	9.5	200135.0	+2241.2	4024	9.1	201431.6	+2218.1
3755	9.5	193300.6	+2235.9	3845	9.5	194723.4	+2252.7	3935	9.5	200147.6	+2239.2	4025	8.5	201432.5	+2229.7
3756	9.5	193303.4	+2248.1	3846	8.0	194724.8	+2236.5	3936	8.8	200152.4	+2250.9	4026	9.0	201433.0	+2201.2
3757	8.3	193320.1	+2233.6	3847	9.3	194731.1	+2214.1	3937	9.4	200155.9	+2213.1	4027	8.8	201507.8	+2238.4
3758	9.3	193333.5	+2205.6	3848	9.3	194731.8	+2245.1	3938	9.2	200201.8	+2204.2	4028	7.2	201512.2	+2223.5
3759	9.3	193337.2	+2236.5	3849	9.4	194740.3	+2247.8	3939	9.3	200224.0	+2231.7	4029	9.1	201513.4	+2203.0
3760	9.1	193347.5	+2257.7	3850	8.5	194758.9	+2212.8	3940	9.5	200227.8	+2202.5	4030	9.5	201533.0	+2219.7
3761	9.0	193407.1	+2230.5	3851	9.5	194801.3	+2240.5	3941	8.1	200242.5	+2259.7	4031	9.5	201543.7	+2214.2
3762	9.5	193422.7	+2213.1	3852	8.9	194807.2	+2237.7	3942	8.6	200249.4	+2201.3	4032	8.7	201546.5	+2219.6
3763	9.5	193432.5	+2217.2	3853	9.5	194816.1	+2230.5	3943	8.8	200249.4	+2234.4	4033	9.3	201549.2	+2222.1
3764	9.0	193436.9	+2211.0	3854	7.1	194829.0	+2203.1	3944	9.5	200328.7	+2212.3	4034	9.1	201556.8	+2232.5
3765	8.9	193440.9	+2255.0	3855	9.4	194830.2	+2240.6	3945	9.5	200350.1	+2238.3	4035	9.5	201605.8	+2212.9
3766	8.9	193459.6	+2256.0	3856	8.5	194859.1	+2207.5	3946	9.5	200409.8	+2207.8	4036	9.3	201611.7	+2257.1
3767	6.7	193501.6	+2207.1	3857	9.2	194915.3	+2241.1	3947	9.5	200410.0	+2240.1	4037	9.5	201629.5	+2258.8
3768	9.5	193506.9	+2212.6	3858	9.4	194930.1	+2229.5	3948	8.9	200410.0	+2256.8	4038	9.5	201655.6	+2206.2
3769	9.0	193519.3	+2258.9	3859	9.2	194952.8	+2247.8	3949	9.5	200413.4	+2226.5	4039	8.9	201656.2	+2246.3
3770	9.5	193519.8	+2219.5	3860	9.5	195030.0	+2215.7	3950	9.5	200421.0	+2256.8	4040	9.5	201717.6	+2217.1
3771	9.5	193528.8	+2218.5	3861	9.5	195032.3	+2242.2	3951	9.0	200425.0	+2244.9	4041	9.5	201720.2	+2230.7
3772	9.3	193543.2	+2200.4	3862	9.4	195045.1	+2206.9	3952	9.4	200428.5	+2255.9	4042	8.5	201740.0	+2231.3
3773	9.5	193546.8	+2221.2	3863	9.4	195054.4	+2206.7	3953	9.1	200438.5	+2211.5	4043	9.3	201759.0	+2212.2
3774	9.5	193550.4	+2223.5	3864	9.3	195146.2	+2238.0	3954	9.4	200449.4	+2245.6	4044	9.3	201838.0	+2234.3
3775	9.5	193550.6	+2248.2	3865	9.5	195148.8	+2202.7	3955	9.5	200506.9	+2235.2	4045	8.5	201849.4	+2216.9
3776	7.2	193636.1	+2230.6	3866	8.9	195153.1	+2227.9	3956	8.7	200522.4	+2227.8	4046	9.0	201849.4	+2215.4
3777	9.5	193637.2	+2236.5	3867	9.0	195205.4	+2255.1	3957	9.5	200523.4	+2215.1	4047	8.0	201856.4	+2258.4
3778	9.5	193637.4	+2213.0	3868	9.5	195218.3	+2210.1	3958	9.5	200527.6	+2259.6	4048	9.0	201907.2	+2234.4
3779	8.8	193646.4	+2251.2	3869	9.5	195236.1	+2230.3	3959	9.5	200550.8	+2205.2	4049	9.5	201940.7	+2246.5
3780	9.5	193649.5	+2217.2	3870	9.5	195242.0	+2220.7	3960	9.0	200554.4	+2200.9	4050	9.1	201941.6	+2228.8
3781	9.4	193653.8	+2255.8	3871	9.2	195247.9	+2214.0	3961	9.4	200554.4	+2215.5	4051	9.5	201948.0	+2220.2
3782	8.8	193702.5	+2257.2	3872	5.9	195257.0	+2242.5	3962	9.5	200559.4	+2240.3	4052	9.2	202000.2	+2210.3
3783	9.4	193710.3	+2241.1	3873	9.5	195300.6	+2258.5	3963	8.7	200600.0	+2222.6	4053	9.5	202026.7	+2202.7
3784	7.0	193713.4	+2209.1	3874	8.6	195300.9	+2246.0	3964	9.3	200602.3	+2208.2	4054	9.5	202038.9	+2235.3
3785	9.5	193715.2	+2202.6	3875	9.4	195305.0	+2213.2	3965	9.5	200612.2	+2243.1	4055	9.4	202040.1	+2236.6
3786	9.2	193719.4	+2250.3	3876	9.5	195310.8	+2237.5	3966	8.7	200614.7	+2224.0	4056	9.5	202045.3	+2204.5
3787	9.5	193725.8	+2203.8	3877	9.5	195319.4	+2207.8	3967	9.2	200623.7	+2212.7	4057	9.5	202046.3	+2257.7
3788	9.4	193731.4	+2255.2	3878	20.0	195321.2	+2218.3	3968	9.4	200631.5	+2246.3	4058	9.5	202054.8	+2251.2
3789	9.5	193734.2	+2204.3	3879	9.3	195328.4	+2228.9	3969	8.5	200648.5	+2246.6	4059	8.9	202102.2	+2210.3
3790	9.3	193736.5	+2217.2	3880	9.3	195334.5	+2247.4	3970	9.5	200651.5	+2258.2	4060	9.5	202106.6	+2204.8
3791	9.5	193742.2	+2234.5	3881	9.0	195349.9	+2219.1	3971	8.7	200704.9	+2224.1	4061	9.4	202114.3	+2207.2
3792	9.5	193742.5	+2249.3	3882	9.5	195350.7	+2255.1	3972	9.5	200731.5	+2210.0	4062	9.4	202116.7	+2205.4
3793	9.3	193755.1	+2223.4	3883	9.5	195356.8	+2218.9	3973	9.5	200736.5	+2222.8	4063	9.3	202128.1	+2257.2
3794	9.5	193813.9	+2208.8	3884	8.0	195403.9	+2202.6	3974	8.8	200749.9	+2237.3	4064	9.4	202129.1	+2252.2

+22 4082 20h24m

+22 4441 21h31m

4082 8.9 202405.7 +2245.6	4172 9.4 203842.4 +2244.4	4262 9.5 205306.8 +2258.1	4352 9.3 211053.9 +2201.6
4083 9.5 202406.2 +2254.5	4173 8.6 203901.0 +2214.1	4263 9.5 205317.3 +2212.6	4353 9.5 211058.0 +2251.5
4084 9.5 202417.9 +2217.6	4174 9.4 203905.6 +2247.2	4264 9.5 205331.0 +2256.9	4354 9.5 211110.3 +2212.2
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4123 9.5 202957.9 +2224.6	4213 8.5 204339.1 +2241.9	4303 9.3 205950.1 +2222.1	4393 9.4 211956.3 +2242.1
4124 9.5 203006.3 +2240.2	4214 8.8 204401.2 +2201.6	4304 9.2 205955.8 +2209.3	4394 8.7 212000.1 +2218.7
4125 9.3 203010.9 +2257.0	4215 8.0 204401.6 +2220.9	4305 9.5 210020.0 +2236.8	4395 9.1 212023.7 +2205.5
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4133 9.0 203151.6 +2250.6	4223 7.6 204525.8 +2247.4	4313 8.2 210058.7 +2249.7	4403 9.0 212312.7 +2251.9
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4149 9.5 203430.7 +2202.2	4239 9.5 204846.7 +2200.3	4329 9.1 210515.0 +2205.7	4419 9.4 212605.3 +2203.8
4150 9.3 203439.8 +2236.4	4240 9.2 204850.2 +2242.7	4330 8.5 210515.2 +2259.6	4420 8.8 212617.3 +2252.8
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4155 7.8 203526.5 +2228.0	4245 9.5 205008.4 +2210.5	4335 9.5 210629.4 +2216.3	4425 9.0 212703.1 +2232.2
4156 9.5 203552.5 +2215.4	4246 9.5 205014.5 +2209.4	4336 9.2 210630.7 +2250.7	4426 9.5 212705.0 +2210.2
4157 9.4 203605.7 +2238.5	4247 9.4 205045.3 +2231.5	4337 9.5 210651.8 +2207.6	4427 9.4 212716.5 +2237.6
4158 9.2 203614.1 +2209.4	4248 8.5 205046.4 +2219.6	4338 9.2 210704.9 +2202.0	4428 9.2 212730.6 +2232.1
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+21 564 3h49m

+21 922 5h31m

564	9.3	34921.1	+2132.8	563	9.5	42035.2	+2149.5	743	9.3	45136.6	+2146.0	833	9.5	51635.5	+2158.2
565	9.5	34930.1	+2125.3	654	9.5	42143.0	+2102.6	744	9.5	45149.0	+2131.7	834	9.5	51641.4	+2143.3
566	9.5	34938.6	+2140.7	655	9.4	42252.7	+2150.1	745	9.0	45205.0	+2100.6	835	9.5	51645.0	+2138.3
567	9.5	35009.7	+2107.0	656	9.2	42317.4	+2118.6	746	9.5	45307.8	+2133.2	836	9.5	51648.3	+2102.0
568	9.5	35144.6	+2141.8	657	8.0	42332.8	+2119.2	747	8.6	45326.2	+2106.4	837	9.4	51648.5	+2148.3
569	9.4	35147.6	+2106.2	658	9.5	42418.5	+2134.9	748	9.5	45329.0	+2119.8	838	9.5	51708.7	+2114.5
570	9.5	35157.2	+2129.7	659	9.5	42420.9	+2105.9	749	9.5	45344.1	+2150.4	839	9.0	51710.0	+2139.0
571	9.5	35201.0	+2126.9	660	9.0	42444.5	+2121.3	750	9.5	45351.4	+2117.8	840	9.4	51723.0	+2105.6
572	9.3	35222.6	+2140.3	661	9.5	42447.9	+2156.9	751	4.8	45426.8	+2122.8	841	9.5	51758.6	+2112.6
573	8.8	35312.0	+2115.1	662	9.3	42459.6	+2155.9	752	9.5	45516.9	+2139.1	842	9.5	51801.0	+2134.5
574	9.5	35335.2	+2112.9	663	9.3	42530.8	+2102.7	753	9.5	45524.7	+2136.7	843	9.2	51809.0	+2104.3
575	9.1	35339.6	+2140.3	664	9.5	42546.2	+2117.3	754	8.2	45542.1	+2127.7	844	9.5	51812.0	+2153.3
576	9.5	35352.0	+2116.5	665	9.4	42553.4	+2139.6	755	6.7	45543.6	+2104.6	845	9.0	51843.8	+2121.8
577	8.5	35419.6	+2144.1	666	9.5	42601.5	+2119.9	756	9.5	45605.0	+2158.5	846	9.3	51849.0	+2154.7
578	8.7	35422.0	+2128.9	667	9.5	42641.6	+2105.8	757	9.5	45613.5	+2119.3	847	5.8	51856.1	+2148.5
579	9.5	35443.7	+2157.4	668	8.3	42658.4	+2142.7	758	9.5	45616.1	+2109.3	848	9.0	51913.9	+2119.4
580	9.5	35513.5	+2108.0	669	9.0	42719.7	+2110.3	759	9.5	45705.3	+2121.1	849	9.5	51918.8	+2148.5
581	9.5	35539.9	+2154.3	670	7.5	42737.4	+2113.7	760	9.5	45747.8	+2159.2	850	9.4	51919.1	+2117.9
582	9.5	35541.5	+2108.6	671	7.8	42740.4	+2123.6	761	9.5	45811.9	+2136.9	851	9.4	51938.1	+2148.0
583	8.9	35553.1	+2123.3	672	9.5	42742.2	+2159.4	762	9.5	45813.0	+2122.3	852	9.0	51938.1	+2119.1
584	9.0	35556.2	+2131.0	673	9.5	42824.8	+2144.8	763	9.5	45849.0	+2150.5	853	9.2	51938.7	+2146.5
585	5.0	35608.3	+2140.5	674	9.5	42825.4	+2124.4	764	9.0	45907.9	+2129.6	854	8.7	51956.9	+2123.5
586	9.5	35609.0	+2104.9	675	9.1	42825.4	+2159.4	765	9.4	45909.5	+2151.9	855	9.0	51958.1	+2134.0
587	6.5	35646.9	+2135.5	676	9.3	42845.1	+2124.4	766	6.3	45915.3	+2130.5	856	9.5	52004.1	+2145.1
588	8.7	35646.9	+2140.3	677	9.5	42859.2	+2125.4	767	9.2	45932.7	+2137.7	857	8.4	52035.6	+2111.3
589	9.5	35658.6	+2122.3	678	9.5	43043.5	+2114.8	768	9.5	45940.0	+2151.2	858	9.5	52037.9	+2122.9
590	9.5	35717.4	+2114.7	679	9.5	43057.4	+2145.2	769	9.5	45950.0	+2147.1	859	9.4	52040.8	+2126.4
591	8.2	35801.2	+2133.1	680	8.2	43101.5	+2113.6	770	9.0	50007.7	+2118.3	860	9.5	52044.0	+2140.2
592	9.3	35937.4	+2110.5	681	9.1	43113.4	+2159.2	771	9.5	50024.0	+2141.2	861	9.3	52047.1	+2144.0
593	8.8	35940.4	+2137.3	682	9.5	43125.1	+2159.2	772	9.2	50042.4	+2156.8	862	9.5	52107.0	+2100.8
594	9.0	35941.3	+2107.2	683	9.1	43218.7	+2105.0	773	9.3	50044.3	+2130.1	863	9.5	52112.9	+2102.3
595	9.0	35955.6	+2111.3	684	9.5	43310.9	+2100.2	774	9.1	50100.3	+2138.8	864	9.5	52119.6	+2156.2
596	9.5	40003.8	+2151.9	685	9.0	43314.0	+2112.4	775	9.5	50106.0	+2143.6	865	8.7	52127.1	+2115.4
597	9.5	40024.9	+2159.0	686	8.8	43321.5	+2113.5	776	8.2	50110.2	+2148.1	866	9.3	52129.1	+2114.9
598	9.2	40049.5	+2102.4	687	9.2	43405.3	+2126.5	777	9.1	50110.4	+2138.8	867	9.5	52137.2	+2128.3
599	9.3	40120.7	+2103.0	688	9.5	43413.7	+2103.7	778	8.0	50131.7	+2157.6	868	9.2	52142.3	+2131.5
600	9.5	40150.8	+2151.8	689	9.5	43425.8	+2127.0	779	9.0	50136.0	+2147.7	869	9.5	52157.3	+2145.0
601	9.0	40233.0	+2131.0	690	9.3	43437.6	+2143.8	780	9.5	50200.6	+2123.2	870	9.4	52160.8	+2157.9
602	9.3	40239.8	+2152.1	691	9.5	43506.6	+2127.2	781	9.5	50206.0	+2101.4	871	9.5	52203.8	+2123.9
603	8.7	40246.9	+2140.7	692	8.5	43544.9	+2123.3	782	9.5	50213.8	+2109.8	872	9.5	52208.6	+2128.4
604	9.3	40249.6	+2127.6	693	9.2	43650.2	+2111.7	783	8.6	50217.4	+2136.0	873	9.5	52218.1	+2107.8
605	9.1	40327.9	+2133.8	694	8.9	43721.8	+2100.8	784	9.5	50225.0	+2100.4	874	9.5	52219.9	+2135.7
606	8.6	40337.8	+2109.7	695	9.3	43724.0	+2104.4	785	8.3	50235.1	+2156.1	875	9.4	52222.5	+2130.3
607	8.9	40555.6	+2159.5	696	9.5	43729.8	+2119.3	786	9.0	50236.0	+2132.2	876	9.5	52227.1	+2112.2
608	9.1	40612.1	+2155.5	697	8.8	43759.5	+2114.0	787	9.5	50302.7	+2120.1	877	9.5	52228.6	+2108.8
609	9.5	40636.9	+2110.4	698	9.5	43813.9	+2106.5	788	9.5	50308.6	+2136.7	878	9.5	52240.1	+2134.4
610	8.8	40637.9	+2143.2	699	9.1	43831.6	+2157.0	789	9.5	50337.0	+2131.8	879	9.4	52245.8	+2119.8
611	9.5	40748.8	+2156.0	700	9.0	43845.2	+2101.9	790	9.5	50349.0	+2114.3	880	9.3	52304.0	+2131.2
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613	9.5	40813.2	+2103.1	702	8.3	43908.9	+2153.8	792	9.0	50402.3	+2138.8	882	9.0	52312.8	+2134.0
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616	9.0	40900.6	+2154.8	705	9.1	43937.6	+2122.6	795	9.5	50431.5	+2100.2	885	9.5	52403.7	+2134.9
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620	9.2	41011.8	+2158.1	709	8.7	44107.3	+2141.1	799	9.5	50627.0	+2113.6	889	9.5	52512.2	+2106.7
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624	9.5	41154.6	+2146.2	713	9.5	44318.6	+2152.3	803	9.5	50728.1	+2100.2	893	9.5	52604.1	+2142.6
625	9.3	41210.6	+2153.2	714	9.3	44337.9	+2102.9	804	9.5	50755.3	+2104.1	894	9.5	52611.5	+2150.5
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627	9.5	41240.8	+2155.1	716	9.3	44349.8	+2149.2	806	9.5	50835.4	+2138.0	896	8.5	52645.1	+2106.1
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631	9.2	41322.1	+2154.4	720	9.0	44545.1	+2129.7	810	9.5	50932.0	+2140.1	900	8.9	52704.6	+2158.9
632	9.5	41357.0	+2110.0	721	9.0	44545.1	+2129.7	811	9.5	50934.7	+2149.8	901	8.9	52743.1	+2105.6
633	9.5	41429.7	+2101.5	722	8.7	44559.3	+2106.9	812	9.3	50941.9	+2107.3	902	7.4	52744.7	+2153.7
634	9.5	41440.0	+2116.4	723	8.4	44609.1	+2154.7	813	7.8	50950.3	+2138.8	903	9.5	52755.0	+2132.1
635	8.9	41447.1	+2101.9	724	9.0	44624.7	+2126.5	814	9.5	51013.6	+2107.7	904	9.5	52822.1	+2119.6
636	9.0	41450.6	+2146.9	725	9.5	44631.1	+2103.9	815	9.2	51028.2	+2134.0	905	9.5	52829.9	+2120.8
637	9.0	41511.1	+2103.1	726	8.7	44651.1	+2136.3	816	5.5	51034.4	+2157.2	906	8.8	52843.4	+2140.3
638	9.5	41515.6	+2143.1	727	8.8	44658.0	+2157.8	817	9.4	51038.4	+2135.6	907	9.4	52849.6	+2107.4
638a	9.5	41519.5	+2122.6	728	9.5	44706.8	+2138.7	818	9.4	51054.7	+2126.9	908	3.1	52858.9	+2102.7
639	8.6	41525.9	+2112.0	729	9.5	44714.9	+2119.6	819	9.5	51155.					

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+21 1281 6h24m

+21 1282 6h24m

1282	9.5	62421.6	+2116.2	1372	8.7	63735.0	+2140.8	1462	9.3	65147.9	+2126.8	1552	9.4	70631.6	+2144.1
1283	9.5	62451.1	+2156.8	1373	9.3	63742.3	+2119.2	1463	9.3	65149.6	+2129.9	1553	9.4	70649.3	+2151.7
1284	8.6	62506.7	+2109.6	1374	9.3	63743.4	+2139.1	1464	9.4	65204.4	+2141.4	1554	9.5	70715.3	+2137.3
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1286	9.5	62536.8	+2136.9	1376	9.5	63802.1	+2109.7	1466	9.5	65232.3	+2102.5	1556	9.3	70737.8	+2105.9
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1296	9.3	62711.0	+2106.4	1386	9.4	63923.9	+2130.5	1476	9.3	65403.7	+2157.0	1566	8.5	70901.2	+2131.5
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1329	8.4	63203.3	+2104.2	1419	8.5	64444.7	+2153.8	1509	9.1	65827.8	+2109.5	1599	9.3	71836.8	+2142.8
1330	9.4	63204.9	+2114.8	1420	9.0	64447.8	+2141.7	1510	9.5	65846.0	+2122.2	1600	9.4	71840.5	+2106.4
1331	9.1	63212.8	+2105.8	1421	9.4	64450.0	+2107.0	1511	9.5	65846.2	+2142.5	1601	9.5	71851.3	+2102.1
1332	9.5	63222.9	+2114.8	1422	9.0	64504.5	+2102.8	1512	8.9	65848.5	+2106.9	1602	5.8	71907.8	+2144.3
1333	9.5	63228.5	+2122.0	1423	9.4	64505.1	+2122.5	1513	9.5	65915.4	+2148.9	1603	9.5	71927.3	+2108.5
1334	9.5	63240.8	+2136.8	1424	9.3	64511.1	+2114.0	1514	9.4	65929.0	+2125.2	1604	9.3	71928.1	+2103.6
1335	9.4	63249.4	+2149.2	1425	9.2	64516.4	+2103.8	1515	9.2	65941.9	+2128.1	1605	9.4	71946.8	+2118.3
1336	9.4	63252.9	+2150.6	1426	9.3	64541.8	+2120.2	1516	8.2	65943.3	+2105.0	1606	7.4	71949.7	+2150.9
1337	9.5	63253.4	+2130.9	1427	9.4	64609.8	+2151.3	1517	9.5	65951.5	+2141.3	1607	9.0	72007.7	+2158.2
1338	9.5	63254.6	+2159.1	1428	7.4	64615.6	+2144.4	1518	9.1	70003.8	+2101.8	1608	9.5	72028.2	+2126.1
1339	8.8	63307.0	+2119.2	1429	9.2	64623.7	+2148.4	1519	9.5	70015.2	+2143.9	1609	9.1	72035.8	+2112.0
1340	9.4	63309.9	+2100.5	1430	9.3	64625.8	+2110.0	1520	9.5	70017.3	+2106.0	1610	8.0	72036.0	+2113.8
1341	9.5	63312.3	+2102.5	1431	8.8	64630.7	+2146.8	1521	9.4	70022.9	+2145.9	1611	9.1	72051.9	+2155.5
1342	9.5	63324.0	+2119.9	1432	9.4	64653.0	+2154.2	1522	9.5	70029.8	+2140.4	1612	9.5	72108.4	+2115.8
1343	9.4	63334.3	+2159.3	1433	9.5	64719.5	+2142.2	1523	9.5	70041.0	+2111.5	1613	9.5	72110.5	+2108.6
1344	9.3	63347.2	+2139.9	1434	9.3	64745.2	+2134.5	1524	9.0	70045.0	+2149.8	1614	8.1	72140.7	+2104.9
1345	9.5	63353.6	+2107.9	1435	9.1	64748.8	+2107.9	1525	9.4	70108.2	+2126.9	1615	9.5	72149.3	+2119.6
1346	9.4	63359.1	+2113.0	1436	9.5	64755.8	+2139.0	1526	9.5	70112.7	+2108.9	1616	9.1	72153.9	+2108.9
1347	9.5	63411.5	+2112.2	1437	7.8	64810.2	+2109.1	1527	8.7	70127.2	+2140.4	1617	9.5	72155.8	+2154.1
1348	9.1	63417.2	+2142.6	1438	9.5	64812.6	+2122.1	1528	7.0	70131.0	+2129.4	1618	9.3	72228.7	+2114.7
1349	9.4	63428.2	+2105.0	1439	9.3	64834.9	+2110.7	1529	9.1	70143.3	+2106.0	1619	9.2	72231.0	+2107.0
1350	9.4	63432.5	+2105.1	1440	9.5	64835.5	+2153.0	1530	9.5	70145.2	+2111.5	1620	9.5	72238.5	+2123.1
1351	9.0	63445.9	+2141.9	1441	9.4	64840.4	+2123.7	1531	9.4	70150.6	+2111.9	1621	9.5	72248.9	+2135.6
1352	9.0	63447.4	+2142.1	1442	9.0	64842.0	+2158.6	1532	9.5	70211.0	+2135.9	1622	9.5	72250.6	+2108.1
1353	9.3	63455.0	+2159.5	1443	9.2	64901.0	+2104.7	1533	9.5	70219.0	+2154.5	1623	9.4	72250.9	+2131.9
1354	9.4	63455.4	+2139.7	1444	9.5	64903.5	+2155.2	1534	9.2	70224.8	+2157.9	1624	9.4	72300.1	+2140.6
1355	9.0	63511.2	+2105.6	1445	9.3	64904.8	+2112.3	1535	9.2	70226.3	+2145.9	1625	9.4	72302.8	+2158.2
1356	9.3	63513.1	+2112.8	1446	9.										

*21 1642 7h27m

1642	9.5	72707.3	+2157.5
1643	9.4	72722.8	+2144.1
1644	9.5	72746.4	+2128.1
1645	9.4	72809.4	+2113.0
1646	8.8	72826.4	+2128.3
1647	8.5	72838.4	+2141.4
1648	9.3	72905.1	+2120.1
1649	9.5	72927.7	+2111.3
1650	9.5	72940.3	+2157.2
1651	9.1	72941.0	+2147.1
1652	9.1	73002.6	+2159.1
1653	9.3	73008.5	+2136.5
1654	9.1	73012.0	+2135.6
1655	9.4	73015.5	+2139.4
1656	9.5	73036.2	+2107.8
1657	9.5	73045.0	+2113.3
1658	9.0	73052.8	+2109.2
1659	9.2	73116.9	+2159.1
1660	9.5	73205.1	+2112.4
1661	8.2	73237.5	+2147.5
1662	9.5	73254.9	+2110.6
1663	9.1	73308.0	+2158.5
1664	9.5	73312.2	+2113.9
1665	9.5	73325.8	+2105.0
1666	9.5	73331.8	+2153.4
1667	9.5	73335.9	+2142.1
1668	8.5	73341.2	+2117.9
1669	9.5	73352.8	+2126.7
1670	9.5	73409.2	+2152.0
1671	9.3	73439.6	+2114.2
1672	9.5	73442.3	+2108.6
1673	9.5	73442.7	+2117.5
1674	9.5	73505.3	+2122.8
1675	9.4	73540.7	+2100.2
1676	9.4	73644.1	+2123.7
1677	8.3	73645.0	+2112.3
1678	9.5	73649.6	+2131.5
1679	7.5	73733.8	+2128.1
1680	9.5	73745.4	+2100.8
1681	9.5	73745.4	+2102.3
1682	9.5	73823.9	+2152.1
1683	9.0	73826.4	+2105.5
1684	9.4	73844.6	+2153.4
1685	9.4	73852.4	+2104.8
1686	8.0	73912.8	+2117.0
1687	9.4	73912.8	+2110.1
1688	8.6	73915.7	+2151.4
1689	7.9	73922.8	+2103.8
1690	8.9	73936.5	+2135.5
1691	9.5	73958.2	+2125.9
1692	9.4	74004.5	+2117.9
1693	8.0	74013.2	+2108.9
1694	9.5	74043.3	+2103.8
1695	9.5	74118.4	+2156.5
1696	9.5	74228.3	+2121.9
1697	9.4	74234.1	+2112.7
1698	9.1	74245.8	+2111.4
1699	9.4	74247.3	+2118.8
1700	9.5	74259.8	+2103.8
1701	9.5	74304.4	+2132.0
1702	9.2	74306.8	+2125.9
1703	9.5	74312.0	+2154.8
1704	9.4	74321.6	+2157.3
1705	9.5	74337.2	+2154.2
1706	9.2	74344.6	+2131.8
1707	9.0	74351.8	+2138.6
1708	9.1	74451.4	+2111.8
1709	9.5	74500.2	+2153.2
1710	9.3	74501.3	+2132.3
1711	9.5	74502.4	+2117.8
1712	9.3	74526.5	+2126.5
1713	9.5	74533.8	+2138.8
1714	7.2	74540.5	+2128.7
1715	9.1	74613.8	+2112.4
1716	9.5	74720.7	+2157.2
1717	9.1	74727.3	+2146.2
1718	9.5	74732.9	+2101.8
1719	8.3	74744.2	+2110.8
1720	9.0	74748.3	+2154.3
1721	9.5	74749.7	+2134.0
1722	9.5	74750.7	+2147.8
1723	9.4	74756.8	+2143.0
1724	7.5	74834.8	+2120.7
1725	9.5	74900.0	+2101.6
1726	9.5	74924.3	+2145.4
1727	9.4	74927.2	+2125.5
1728	9.5	74927.7	+2138.1
1729	9.5	74947.3	+2158.6
1730	8.3	75023.2	+2133.7
1731	8.5	75101.2	+2115.9
1732	9.2	75126.9	+2137.8
1733	9.5	75141.5	+2155.0
1734	9.0	75157.2	+2144.8
1735	9.5	75206.0	+2157.9
1736	9.5	75219.8	+2146.6
1737	8.5	75222.8	+2125.5
1738	9.5	75232.7	+2104.3
1739	9.5	75242.8	+2126.4
1740	9.4	75301.7	+2127.3
1741	9.5	75317.9	+2108.1
1742	9.3	75328.8	+2159.9
1743	9.5	75416.9	+2153.7
1744	9.0	75420.5	+2119.7
1745	9.5	75420.8	+2128.0
1746	9.3	75437.4	+2108.1
1747	9.5	75440.3	+2132.3
1748	9.4	75526.3	+2138.2
1749	9.3	75528.0	+2143.7
1750	9.3	75533.1	+2131.1
1751	9.5	75546.1	+2145.7
1752	9.1	75551.8	+2108.7
1753	7.0	75556.8	+2126.1
1754	9.4	75603.1	+2139.0
1755	9.5	75614.3	+2141.5
1756	9.5	75618.1	+2106.7
1757	9.1	75707.1	+2112.5
1758	9.5	75718.1	+2128.2
1759	9.4	75718.2	+2150.9
1760	9.2	75719.5	+2112.7
1761	9.4	75732.5	+2142.0
1762	9.4	75735.0	+2137.0
1763	7.9	75831.8	+2117.6
1764	9.3	75945.8	+2131.7
1765	9.5	75951.4	+2136.5
1766	9.2	80001.1	+2100.9
1767	9.4	80008.8	+2116.4
1768	9.2	80055.8	+2152.0
1769	9.0	80058.8	+2147.5
1770	9.5	80105.9	+2103.5
1771	9.5	80117.7	+2140.9
1772	9.2	80126.8	+2107.9
1773	9.5	80131.6	+2110.7
1774	9.5	80150.0	+2101.1
1775	9.5	80159.6	+2101.8
1776	9.4	80217.2	+2102.0
1777	9.3	80217.6	+2115.6
1778	9.5	80223.0	+2103.6
1779	9.1	80224.8	+2111.3
1780	9.5	80254.8	+2140.7
1781	9.3	80332.7	+2128.5
1782	9.5	80338.3	+2115.2
1783	9.1	80349.5	+2122.5
1784	9.5	80355.0	+2131.9
1785	9.5	80408.0	+2131.9
1786	9.2	80442.4	+2146.2
1787	9.4	80449.8	+2136.1
1788	9.3	80453.2	+2132.6
1789	9.5	80503.6	+2127.8
1790	9.4	80527.5	+2147.9
1791	9.5	80549.7	+2128.5
1792	7.0	80559.1	+2106.9
1793	9.4	80611.4	+2103.2
1794	9.5	80617.9	+2150.5
1795	8.4	80626.1	+2129.4
1796	9.5	80650.4	+2128.0
1797	9.5	80638.7	+2158.2
1798	9.1	80702.1	+2151.6
1799	8.8	80713.2	+2142.7
1800	8.4	80721.8	+2109.7
1801	9.5	80721.8	+2139.7
1802	9.3	80810.9	+2126.6
1803	7.3	80816.6	+2140.4
1804	8.5	80866.6	+2137.6
1805	8.6	80923.8	+2136.9
1806	9.3	80949.1	+2112.8
1807	8.0	81024.7	+2155.8
1808	9.5	81042.5	+2123.8
1809	9.0	81044.7	+2136.8
1810	8.2	81056.4	+2142.4
1811	9.3	81058.7	+2148.5
1812	8.0	81116.1	+2123.9
1813	9.5	81116.5	+2126.0
1814	9.5	81130.4	+2153.4
1815	9.5	81135.8	+2139.7
1816	9.0	81148.8	+2125.8
1817	6.0	81153.4	+2110.3
1818	9.3	81204.8	+2154.6
1819	9.3	81204.7	+2119.5
1820	8.8	81229.6	+2162.4
1821	9.5	81238.0	+2111.4
1822	9.1	81244.3	+2133.7
1823	9.3	81259.7	+2131.8
1824	9.4	81305.1	+2108.0
1825	8.9	81343.3	+2152.8
1826	9.5	81347.7	+2122.9
1827	9.5	81425.7	+2156.8
1828	9.2	81430.5	+2100.9
1829	9.3	81526.3	+2151.0
1830	9.5	81533.8	+2122.5
1831	9.5	81545.7	+2136.1
1832	9.5	81551.7	+2159.5
1833	9.5	81552.8	+2147.5
1834	9.5	81708.4	+2102.9
1835	9.0	81717.9	+2139.2
1836	9.5	81733.3	+2136.8
1837	9.5	81736.2	+2118.0
1838	9.2	81811.9	+2144.4
1839	9.4	81813.5	+2153.7
1840	9.0	81847.8	+2146.9
1841	9.5	81850.7	+2125.8
1842	8.5	81906.0	+2156.4
1843	9.5	81956.2	+2100.7
1844	9.5	81906.3	+2120.0
1845	6.8	81941.1	+2138.2
1846	9.5	82028.8	+2133.5
1847	9.3	82047.2	+2147.8
1848	9.5	82053.8	+2111.6
1849	9.2	82119.9	+2116.5
1850	9.5	82124.5	+2113.4
1851	9.5	82145.1	+2157.9
1852	9.3	82151.2	+2128.5
1853	8.9	82153.9	+2138.0
1854	9.0	82154.8	+2119.7
1855	9.1	82221.0	+2158.2
1856	9.1	82230.4	+2106.7
1857	9.5	82235.1	+2147.2
1858	9.3	82237.2	+2115.1
1859	9.5	82239.5	+2152.8
1860	9.2	82239.8	+2141.4
1861	9.5	82256.9	+2151.9
1862	9.4	82317.8	+2108.5
1863	9.4	82344.1	+2115.7
1864	9.5	82441.9	+2103.2
1865	9.5	82511.0	+2132.1
1866	8.3	82554.4	+2101.0
1867	8.3	82613.4	+2158.0
1868	8.9	82619.5	+2103.5
1869	9.0	82626.0	+2158.9
1870	9.3	82639.9	+2109.1
1871	8.6	82640.0	+2153.5
1872	8.6	82654.4	+2103.2
1873	9.0	82720.0	+2119.3
1874	9.4	82723.4	+2142.8
1875	9.1	82802.7	+2148.7
1876	8.8	82812.5	+2141.6
1877	9.5	82902.5	+2109.4
1878	9.5	82950.1	+2158.6
1879	9.2	83022.3	+2139.5
1880	8.6	83034.6	+2117.7
1881	9.3	83044.8	+2118.3
1882	9.3	83106.2	+2149.1
1883	8.9	83130.0	+2104.3
1884	9.2	83143.7	+2135.0
1885	9.2	83158.8	+2121.2
1886	9.3	83200.7	+2137.6
1887	9.2	83216.5	+2144.0
1888	9.5	83238.6	+2120.4
1889	9.5	83244.5	+2145.3
1890	9.5	83303.8	+2154.7
1891	9.5	83316.3	+2130.7
1892	9.3	83317.9	+2111.6
1893	9.5	83426.8	+2159.2
1894	9.2	83427.7	+2144.2
1895	9.1	83431.5	+2120.2
1896	4.5	83454.1	+2159.4
1897	8.7	83455.5	+2107.9
1898	9.2	83459.7	+2159.8
1899	9.3	83528.3	+2142.5
1900	8.5	83557.3	+2123.8
1901	9.4	83617.9	+2138.2
1902	9.3	83638.4	+2151.7
1903	9.3	83651.7	+2131.5
1904	9.2	83707.4	+2101.0
1905	9.5	83709.9	+2107.4
1906	9.5	83713.5	+2130.6
1907	9.4	83731.4	+2155.7
1908	9.3	83735.5	+2141.6
1909	9.5	83736.2	+2159.2
1910	9.5	83800.3	+2108.1
1911	9.5	83901.0	+2151.3
1912	9.1	83931.1	+2158.7
1913	9.5	84000.6	+2144.1
1914	8.8	84004.5	+2114.2
1915	9.5	84043.4	+2152.6
1916	9.4	84047.7	+2155.6
1917	9.2	84113.9	+2102.3
1918	9.3	84116.6	+2145.2
1919	9.5	84118.5	+2116.2
1920	9.0	84125.0	+2128.6
1921	9.5	84137.5	+

+21 2001 9h08m

2001 8.6 90825.0 +2113.2
2002 8.9 90825.8 +2126.3
2003 9.1 90844.3 +2106.3
2004 9.5 90908.7 +2105.3
2005 9.4 90913.3 +2117.6
2006 9.5 90926.6 +2112.9
2007 9.5 90928.4 +2125.2
2008 9.5 90945.2 +2159.5
2009 8.4 91021.8 +2125.1
2010 9.2 91036.3 +2111.7

2011 9.5 91038.3 +2105.5
2012 9.4 91102.0 +2154.0
2013 9.5 91113.2 +2132.5
2014 7.8 91126.3 +2109.3
2015 9.5 91159.9 +2151.7
2016 9.4 91211.5 +2122.6
2017 8.8 91217.3 +2102.3
2018 9.0 91410.4 +2137.4
2019 9.5 91421.3 +2124.4
2020 9.4 91459.6 +2152.4

2021 9.2 91508.5 +2155.4
2022 9.5 91615.0 +2159.4
2023 9.3 91621.1 +2149.8
2024 9.2 91622.0 +2111.7
2025 9.4 91644.0 +2105.8
2026 9.2 91644.9 +2133.9
2027 9.4 91726.2 +2100.2
2028 8.6 91733.3 +2100.4
2029 9.5 91748.9 +2145.8
2030 9.0 91813.5 +2104.4

2031 9.3 91923.2 +2155.4
2032 9.5 91944.8 +2113.7
2033 8.9 92036.5 +2120.4
2034 9.4 92042.9 +2114.2
2035 9.4 92057.4 +2157.7
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2037 9.3 92142.9 +2145.6
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2041 8.5 92225.4 +2140.2
2042 9.5 92235.8 +2147.4
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2044 8.8 92246.5 +2155.0
2045 9.3 92251.6 +2159.6
2046 9.3 92256.0 +2147.6
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2544 9.0 132459.8 +2142.7
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2547 7.5 132745.0 +2123.3
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2549 8.5 132822.5 +2121.5

2550 9.1 132841.1 +2151.6
2551 9.3 132859.8 +2153.3
2552 9.0 132903.3 +2126.0
2553 9.3 132913.4 +2123.5
2554 9.5 133016.1 +2133.0
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2556 9.5 133137.3 +2125.3
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2559 9.1 133308.3 +2141.7

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2562 9.5 133523.4 +2114.2
2563 9.5 133536.1 +2106.4
2564 8.1 133556.0 +2111.9
2565 8.5 133646.9 +2148.9
2566 8.8 133649.6 +2127.7
2567 9.1 133706.7 +2119.0
2568 9.0 133726.4 +2136.1
2569 9.4 133729.0 +2156.6

2570 8.0 133758.8 +2112.1
2571 9.0 133904.3 +2155.2
2572 9.3 133912.2 +2126.7
2573 9.3 134005.7 +2113.5
2574 9.5 134110.8 +2159.0
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2577 9.5 134243.0 +2114.2
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2617 9.5 140242.8 +2127.4
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2620 9.1 140350.0 +2122.8
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2622 9.5 140505.0 +2104.7
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2627 9.1 140640.8 +2153.2
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2629 8.8 140730.4 +2105.9

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2633 8.8 140948.4 +2145.8
2634 9.0 141025.6 +2143.3
2635 8.7 141025.9 +2139.8
2636 9.2 141117.6 +2133.5
2637 9.2 141129.7 +2151.3
2638 7.2 141139.5 +2158.1
2639 9.5 141202.4 +2112.0

2640 9.3 141211.3 +2124.9
2641 9.5 141304.0 +2145.1
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2643 8.2 141550.9 +2111.1
2644 9.5 141559.1 +2125.6
2645 9.5 141621.7 +2121.8
2646 9.3 141703.5 +2123.5
2647 9.1 141725.6 +2149.8
2648 9.4 141813.2 +2102.7
2649 7.7 141846.3 +2116.2

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2651 9.3 141925.1 +2151.7
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2661 9.3 142442.2 +2119.7
2662 9.5 142544.9 +2108.1
2663 9.5 142604.6 +2156.4
2664 9.4 142638.7 +2111.1
2665 9.2 142903.5 +2104.5
2666 9.3 143143.4 +2106.5
2667 9.5 143202.0 +2151.0
2668 9.5 143205.8 +2138.8
2669 9.5 143227.2 +2151.4

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2673 9.1 143510.8 +2103.0
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2678 8.6 143617.9 +2158.6
2679 9.3 143617.5 +2116.2

2680 8.9 143623.1 +2105.9
2681 9.3 143816.8 +2142.6
2682 8.5 143841.3 +2141.6
2683 8.8 143919.0 +2159.1
2684 9.5 143928.9 +2108.9
2685 8.7 143937.4 +2129.8
2686 9.4 144052.1 +2135.4
2687 9.0 144055.6 +2116.2
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2694 9.5 144442.6 +2138.1
2695 9.5 144523.2 +2123.5
2696 9.5 144528.9 +2129.8
2697 9.5 144631.3 +2154.6
2698 9.5 144713.2 +2104.7
2699 9.2 144816.3 +2153.1

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2702 9.5 144956.4 +2119.7
2703 9.5 145001.1 +2147.5
2704 9.0 145008.4 +2140.1
2705 8.8 145020.9 +2107.9
2706 9.5 145100.0 +2116.2
2707 9.5 145131.4 +2128.0
2708 9.5 145147.8 +2153.6
2709 9.3 145221.2 +2153.3

2710 9.4 145414.8 +2105.4
2711 9.5 145431.7 +2123.3
2712 9.3 145540.1 +2116.0
2713 9.5 145600.3 +2110.5
2714 9.3 145600.6 +2138.6
2715 8.7 145611.3 +2101.8
2716 8.3 145649.4 +2120.9
2717 9.5 145732.0 +2144.1
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2719 8.5 145747.7 +2117.4

+21 2720 14h58m

2720	9.5	145805.0	+2104.9	2810	9.4	153810.2	+2106.8	2900	9.5	161256.0	+2126.3	2990	9.5	164217.0	+2101.1
2721	9.4	145814.9	+2154.0	2811	8.9	153818.6	+2141.7	2901	9.0	161346.1	+2113.5	2991	8.5	164220.8	+2139.1
2722	9.4	145817.0	+2158.7	2812	7.0	153833.3	+2119.6	2902	6.5	161348.4	+2129.1	2992	9.5	164302.9	+2128.0
2723	9.5	145839.7	+2157.7	2813	7.0	153833.7	+2154.4	2903	9.5	161503.1	+2151.9	2993	8.1	164338.1	+2154.9
2724	9.3	145940.2	+2134.5	2814	9.3	153842.4	+2152.4	2904	8.5	161504.7	+2143.5	2994	9.4	164416.3	+2122.2
2725	9.5	145959.0	+2159.5	2815	9.3	153844.9	+2138.3	2905	9.5	161522.9	+2107.2	2995	9.5	164457.2	+2139.6
2726	8.4	150125.1	+2158.4	2816	8.5	153907.8	+2137.3	2906	9.5	161524.2	+2130.5	2996	9.5	164532.9	+2143.9
2727	8.0	150139.1	+2138.5	2817	9.5	153925.9	+2132.8	2907	8.2	161526.4	+2159.8	2997	7.8	164626.6	+2113.2
2728	8.5	150151.1	+2137.2	2818	9.2	154002.3	+2149.4	2908	9.5	161550.1	+2104.9	2998	9.3	164638.6	+2103.1
2729	8.7	150207.2	+2124.0	2819	9.0	154110.7	+2144.6	2909	8.5	161603.7	+2146.3	2999	8.0	164730.6	+2125.6
2730	9.3	150311.2	+2124.0	2820	9.5	154151.3	+2159.4	2910	9.0	161605.1	+2118.0	3000	9.5	164730.9	+2145.1
2731	9.3	150326.1	+2143.5	2821	8.8	154202.1	+2100.1	2911	9.5	161654.7	+2124.0	3001	9.1	164805.8	+2146.3
2732	9.5	150352.4	+2152.8	2822	9.3	154235.3	+2140.3	2912	9.2	161706.8	+2104.9	3002	6.0	164840.1	+2113.1
2733	9.0	150351.3	+2140.3	2823	9.1	154300.2	+2140.3	2913	8.2	161717.8	+2123.6	3003	9.5	164849.4	+2103.3
2734	9.1	150604.7	+2113.9	2824	9.4	154309.4	+2153.8	2914	9.5	161724.1	+2106.9	3004	8.6	164853.3	+2135.0
2735	9.3	150641.5	+2139.0	2825	9.0	154322.8	+2110.5	2915	8.8	161820.4	+2109.7	3005	7.8	164908.4	+2143.5
2736	8.8	150654.4	+2131.7	2826	9.3	154402.8	+2100.9	2916	9.1	161824.1	+2141.5	3006	9.3	164927.2	+2106.1
2737	9.5	150712.6	+2157.3	2827	8.0	154406.4	+2141.4	2917	9.3	161836.2	+2123.5	3007	9.5	165004.9	+2132.5
2738	9.5	150715.5	+2128.4	2828	9.0	154445.4	+2154.2	2918	8.2	161849.9	+2155.1	3008	9.5	165017.3	+2101.4
2739	8.3	150745.6	+2107.1	2829	5.0	154454.6	+2126.5	2919	9.3	161910.4	+2109.3	3009	8.8	165042.3	+2143.0
2740	9.5	150807.2	+2113.9	2830	9.5	154509.9	+2147.0	2920	9.2	161914.7	+2114.3	3010	9.4	165103.3	+2139.5
2741	8.7	150817.5	+2151.9	2831	9.5	154516.0	+2154.3	2921	9.5	162005.3	+2115.6	3011	9.5	165105.4	+2102.4
2742	9.5	150837.9	+2119.5	2832	9.4	154525.9	+2146.3	2922	9.3	162036.0	+2148.5	3012	9.4	165117.0	+2108.0
2743	9.5	150905.5	+2127.6	2833	9.3	154534.7	+2154.0	2923	9.4	162105.1	+2136.7	3013	8.7	165122.6	+2113.6
2744	9.5	150907.2	+2148.7	2834	8.5	154557.4	+2159.2	2924	8.0	162109.0	+2132.9	3014	9.5	165200.0	+2134.6
2745	9.2	150939.4	+2150.2	2835	9.3	154606.9	+2111.0	2925	8.2	162125.6	+2109.1	3015	9.3	165205.8	+2153.7
2746	9.3	150941.3	+2152.9	2836	9.3	154616.5	+2130.0	2926	8.2	162127.0	+2112.8	3016	9.2	165215.3	+2159.7
2747	9.0	150947.3	+2132.4	2837	9.2	154625.3	+2104.8	2927	9.1	162135.5	+2137.4	3017	9.3	165229.7	+2133.9
2748	9.1	150948.7	+2148.7	2838	8.8	154652.3	+2118.5	2928	7.9	162139.8	+2158.7	3018	9.5	165230.8	+2154.0
2749	8.3	151003.3	+2102.5	2839	9.3	154708.2	+2135.9	2929	9.5	162225.7	+2155.5	3019	9.4	165233.2	+2104.5
2750	9.5	151032.0	+2140.3	2840	9.5	154714.3	+2110.6	2930	9.5	162236.5	+2121.9	3020	9.5	165328.6	+2103.9
2751	8.3	151040.1	+2131.9	2841	9.3	154747.0	+2145.2	2931	9.4	162236.7	+2155.0	3021	9.3	165419.4	+2142.0
2752	9.5	151133.7	+2100.9	2842	9.3	154802.4	+2159.0	2932	9.4	162239.4	+2145.7	3022	7.3	165455.4	+2143.4
2753	9.5	151148.4	+2105.1	2843	8.8	154809.3	+2139.7	2933	9.5	162327.2	+2112.4	3023	9.5	165529.8	+2102.3
2754	9.5	151148.4	+2120.5	2844	9.5	154827.8	+2106.1	2934	2.5	162359.8	+2149.3	3024	9.3	165530.3	+2136.5
2755	6.2	151155.2	+2107.1	2845	9.4	154837.9	+2120.7	2935	9.3	162500.2	+2108.7	3025	9.5	165536.6	+2134.2
2756	9.4	151228.2	+2111.1	2846	8.2	154842.3	+2159.7	2936	9.0	162606.4	+2125.0	3026	9.5	165609.0	+2126.7
2757	9.5	151304.7	+2104.1	2847	9.3	154913.9	+2145.6	2937	9.5	162614.1	+2156.8	3027	9.2	165611.4	+2102.6
2758	9.5	151342.9	+2107.3	2848	9.1	154915.7	+2116.0	2938	9.5	162617.0	+2104.5	3028	9.5	165622.4	+2101.0
2759	8.5	151432.2	+2134.8	2849	9.3	154949.6	+2145.4	2939	9.0	162624.3	+2147.4	3029	9.1	165638.5	+2136.3
2760	9.3	151446.3	+2100.9	2850	9.2	154953.0	+2149.1	2940	8.5	162625.6	+2135.0	3030	9.4	165650.6	+2115.9
2761	9.0	151446.3	+2109.8	2851	8.2	155006.2	+2141.4	2941	9.1	162657.4	+2102.8	3031	7.5	165653.5	+2146.9
2762	9.4	151556.1	+2132.3	2852	9.2	155035.8	+2101.6	2942	9.5	162747.8	+2159.9	3032	9.3	165700.6	+2130.3
2763	9.3	151557.0	+2129.7	2853	9.3	155107.5	+2118.2	2943	9.0	162800.6	+2134.6	3033	9.5	165701.9	+2135.8
2764	8.3	151557.0	+2127.3	2854	9.1	155121.4	+2122.9	2944	9.5	162829.2	+2105.8	3034	9.5	165713.9	+2120.0
2765	9.3	151655.2	+2131.0	2855	8.9	155125.5	+2119.1	2945	9.5	162914.7	+2154.0	3035	8.7	165745.4	+2105.4
2766	9.3	151755.3	+2106.6	2856	8.6	155147.7	+2149.0	2946	9.0	162921.3	+2136.7	3036	9.5	165807.6	+2134.6
2767	8.7	151818.1	+2155.3	2857	9.3	155229.3	+2136.9	2947	9.5	162923.7	+2109.1	3037	8.2	165810.5	+2153.6
2768	9.3	151848.6	+2150.4	2858	9.4	155300.7	+2129.7	2948	9.5	162957.2	+2106.5	3038	9.3	165816.9	+2145.0
2769	9.5	151927.3	+2111.6	2859	9.2	155309.4	+2136.9	2949	8.3	163003.0	+2103.1	3039	9.0	165820.9	+2157.4
2770	8.5	151937.8	+2158.1	2860	9.5	155311.6	+2124.7	2950	8.6	163010.9	+2106.9	3040	9.1	165832.0	+2120.8
2771	9.0	151942.5	+2152.2	2861	9.5	155324.9	+2142.4	2951	9.1	163118.4	+2120.8	3041	9.2	165849.6	+2124.1
2772	9.0	152214.9	+2122.8	2862	9.5	155338.9	+2147.6	2952	9.5	163126.9	+2147.1	3042	9.0	165851.2	+2120.0
2773	8.5	152216.0	+2140.4	2863	9.5	155404.3	+2155.6	2953	9.1	163154.8	+2113.2	3043	9.4	165906.9	+2156.6
2774	8.8	152217.9	+2106.9	2864	9.4	155516.0	+2124.4	2954	8.2	163219.4	+2149.3	3044	9.5	165911.1	+2148.3
2775	9.3	152241.4	+2136.3	2865	9.5	155531.1	+2138.0	2955	7.7	163248.7	+2157.9	3045	8.0	165915.8	+2131.1
2776	9.4	152408.4	+2127.5	2866	9.5	155532.0	+2115.0	2956	9.2	163257.7	+2135.7	3046	8.7	165916.0	+2141.1
2777	8.7	152440.5	+2149.8	2867	8.2	155545.4	+2117.6	2957	8.8	163257.9	+2125.6	3047	9.0	165929.9	+2113.8
2778	9.5	152451.8	+2158.7	2868	9.5	155620.0	+2131.4	2958	9.3	163316.8	+2126.0	3048	9.0	165930.9	+2154.3
2779	9.3	152503.1	+2143.1	2869	9.5	155622.6	+2140.5	2959	8.2	163337.6	+2131.5	3049	9.2	170009.2	+2116.0
2780	9.5	152508.4	+2141.6	2870	9.4	155907.6	+2124.3	2960	9.5	163337.9	+2140.1	3050	9.0	170012.6	+2126.4
2781	8.2	152535.3	+2126.8	2871	8.5	155936.1	+2136.6	2961	9.5	163413.4	+2117.0	3051	9.5	170028.9	+2125.9
2782	9.5	152553.5	+2138.7	2872	9.5	160009.2	+2105.1	2962	8.5	163414.3	+2147.7	3052	8.9	170109.9	+2153.9
2783	8.5	152613.9	+2133.1	2873	9.0	160023.1	+2147.1	2963	9.3	163416.4	+2125.6	3053	8.2	170159.0	+2111.0
2784	9.5	152634.7	+2152.9	2874	9.4	160107.4	+2125.0	2964	9.5	163517.0	+2147.1	3054	9.3	170211.9	+2128.7
2785	8.9	152714.3	+2143.2	2875	8.0	160224.4	+2127.4	2965	9.2	163522.7	+2109.6	3055	9.5	170232.7	+2131.1
2786	9.5	152718.6	+2152.5	2876	9.2	160242.2	+2100.8	2966	8.7	163529.5	+2118.1	3056	9.5	170250.3	+2137.0
2787	9.1	152733.1	+2126.2	2877	9.4	160355.7	+2104.1	2967	9.5	163531.3	+2123.4	3057	9.5	170256.9	+2148.4
2788	9.2	152758.8	+2145.6	2878	8.9	160356.8	+2148.1	2968	9.5	163556.9	+2107.2	3058	9.5	170403.6	+2139.5
2789	9.5	153004.3	+2112.7	2879	8.7	160401.1	+2130.9	2969	9.5	163600.6	+2159.2	3059	7.8	170418.7	+2123.9
2790	9.2	153018.0	+2104.8	2880	9.9	160423.9	+2106.0	2970	7.3	163614.4	+2151.2	3060	9.5	170442.6	+2129.4
2791	9.3	153039.0	+2112.8	2881	9.5	160433.4	+2143.3	2971	9.5	163623.2	+2151.5	3061	8.3	170454.7	+2115.8
2792	9.0	153116.4	+2137.6	2882	8.3	160506.4	+2118.4	2972							

*21 3080 17h10m

*21 3438 18h21m

3080	9.5	171033.9	+2142.5	3169	9.5	173134.6	+2152.1	3259	9.5	175046.6	+2105.3	3349	9.5	180734.3	+2136.5
3081	9.5	171036.2	+2112.5	3170	7.8	173156.1	+2102.0	3260	8.5	175105.6	+2121.2	3350	9.5	180738.1	+2138.8
3082	9.0	171046.0	+2151.2	3171	9.2	173156.5	+2134.8	3261	9.5	175107.0	+2126.3	3351	9.5	180740.6	+2148.9
3083	9.5	171104.2	+2153.6	3172	9.4	173218.4	+2102.5	3262	9.5	175111.1	+2125.3	3352	9.5	180749.3	+2139.5
3084	8.7	171104.5	+2122.4	3173	9.1	173221.3	+2118.8	3263	9.1	175114.1	+2111.5	3353	9.2	180801.9	+2124.4
3085	9.4	171124.8	+2126.5	3174	9.5	173237.5	+2140.0	3264	9.2	175116.3	+2154.6	3354	9.5	180807.3	+2153.1
3086	9.2	171142.5	+2101.7	3175	8.5	173239.7	+2119.9	3265	9.2	175121.7	+2111.5	3355	8.9	180814.4	+2125.1
3087	9.5	171206.9	+2121.5	3176	9.0	173252.7	+2110.1	3266	8.6	175124.3	+2143.6	3356	9.3	180815.4	+2124.8
3088	9.2	171226.5	+2132.5	3177	9.3	173253.2	+2130.7	3267	9.5	175125.0	+2131.8	3357	9.3	180824.3	+2129.2
3089	8.1	171230.9	+2155.9	3178	9.4	173307.7	+2120.6	3268	9.5	175135.2	+2131.0	3358	9.2	180833.9	+2103.7
3090	9.4	171233.9	+2156.0	3179	9.0	173315.2	+2130.6	3269	8.2	175156.6	+2126.3	3359	9.5	180837.1	+2112.0
3091	9.5	171303.6	+2104.1	3180	9.0	173322.2	+2150.3	3270	9.0	175213.5	+2109.8	3360	9.2	180850.8	+2134.4
3092	9.4	171309.6	+2148.1	3181	9.5	173341.1	+2141.6	3271	9.5	175219.1	+2129.1	3361	8.3	180852.9	+2150.4
3093	9.5	171324.6	+2120.8	3182	8.3	173346.2	+2147.6	3272	9.5	175300.4	+2143.9	3362	9.4	180854.8	+2135.4
3094	9.5	171340.5	+2148.8	3183	9.5	173359.1	+2157.4	3273	9.5	175330.6	+2111.8	3363	9.1	180903.7	+2145.1
3095	9.1	171352.9	+2134.6	3184	9.5	173414.1	+2147.3	3274	8.6	175409.7	+2154.2	3364	9.5	180918.6	+2117.5
3096	9.5	171408.3	+2112.3	3185	9.5	173508.0	+2111.4	3275	9.5	175410.1	+2158.0	3365	9.5	180932.9	+2139.5
3097	9.5	171413.8	+2102.0	3186	9.4	173523.0	+2115.9	3276	9.0	175413.1	+2111.5	3366	9.5	180954.8	+2132.3
3098	9.1	171419.5	+2111.8	3187	9.5	173531.5	+2147.6	3277	9.0	175503.2	+2116.0	3367	9.5	180957.1	+2136.7
3099	9.4	171427.2	+2113.1	3188	7.5	173541.6	+2136.3	3278	9.2	175503.5	+2141.1	3368	9.5	181018.3	+2153.4
3100	7.2	171435.9	+2141.9	3189	8.1	173545.7	+2111.5	3279	9.5	175515.0	+2123.6	3369	8.8	181031.4	+2119.6
3101	9.4	171450.3	+2151.9	3190	8.5	173546.0	+2100.6	3280	4.2	175524.7	+2136.7	3370	9.5	181053.7	+2108.3
3102	9.5	171509.4	+2103.1	3191	8.7	173551.7	+2131.1	3281	9.0	175536.5	+2117.7	3371	8.6	181058.0	+2151.5
3103	7.0	171551.2	+2117.7	3192	9.3	173552.2	+2137.0	3282	9.1	175544.5	+2156.0	3372	9.1	181100.4	+2108.8
3104	9.4	171555.3	+2121.2	3193	8.5	173556.6	+2105.6	3283	9.2	175549.8	+2100.0	3373	9.1	181108.5	+2103.3
3105	8.8	171556.7	+2155.4	3194	9.5	173611.8	+2158.6	3284	9.5	175556.3	+2117.7	3374	9.0	181114.2	+2118.0
3106	9.5	171603.5	+2106.1	3195	9.5	173642.1	+2143.2	3285	9.0	175609.1	+2152.5	3375	9.0	181117.2	+2154.5
3107	8.7	171612.2	+2105.2	3196	9.3	173642.6	+2122.5	3286	9.1	175615.9	+2140.4	3376	9.0	181121.2	+2128.8
3108	8.7	171620.0	+2110.7	3197	9.5	173656.6	+2156.8	3287	9.5	175618.6	+2101.5	3377	8.5	181146.9	+2111.6
3109	9.0	171620.6	+2105.5	3198	7.5	173709.0	+2142.2	3288	9.5	175653.7	+2133.2	3378	8.2	181149.8	+2156.7
3110	9.3	171713.1	+2123.5	3199	9.5	173717.6	+2111.5	3289	9.5	175709.6	+2132.5	3379	9.5	181210.9	+2105.1
3111	9.1	171728.3	+2142.9	3200	8.7	173719.0	+2144.2	3290	9.5	175737.5	+2103.1	3380	9.5	181231.7	+2154.2
3112	9.1	171751.9	+2133.9	3201	9.5	173757.9	+2101.5	3291	9.5	175804.7	+2129.0	3381	8.5	181243.5	+2104.8
3113	9.5	171828.2	+2147.0	3202	9.5	173803.1	+2133.2	3292	8.8	175824.7	+2143.3	3382	9.3	181249.9	+2106.1
3114	9.3	171836.0	+2102.9	3203	8.7	173805.7	+2154.4	3293	9.3	175825.0	+2100.4	3383	9.1	181252.3	+2133.8
3114a	9.7	171838.3	+2156.6	3204	9.4	173900.8	+2110.8	3294	9.2	175834.2	+2155.3	3384	9.5	181254.4	+2122.4
3115	9.1	171850.2	+2121.1	3205	9.4	173908.1	+2157.4	3295	9.4	175846.0	+2101.3	3385	9.5	181325.8	+2129.3
3116	9.5	171855.8	+2109.1	3206	9.5	173928.1	+2111.1	3296	8.2	175850.6	+2126.9	3386	8.8	181352.2	+2110.9
3117	9.5	171915.2	+2122.1	3207	9.4	173928.4	+2103.4	3297	9.5	175957.4	+2113.5	3387	9.0	181355.0	+2121.3
3118	9.4	171954.3	+2101.0	3208	8.0	173946.5	+2156.4	3298	9.2	175940.7	+2134.7	3388	7.6	181407.0	+2100.8
3119	9.3	171956.9	+2107.9	3209	9.0	173947.5	+2156.3	3299	9.5	175913.1	+2128.0	3389	8.6	181408.3	+2118.1
3120	9.2	171957.5	+2158.4	3210	9.4	173952.0	+2159.9	3300	7.5	175921.1	+2138.4	3390	6.0	181410.7	+2156.2
3121	9.0	171957.9	+2128.0	3211	9.5	174013.2	+2109.0	3301	7.7	175935.6	+2125.6	3391	9.4	181430.5	+2156.7
3122	9.5	172011.5	+2104.2	3212	8.5	174020.3	+2145.7	3302	7.5	175942.1	+2126.3	3392	9.4	181432.2	+2110.0
3123	9.0	172019.7	+2133.2	3213	8.9	174031.1	+2133.5	3303	9.5	175956.6	+2122.8	3393	9.4	181441.7	+2157.9
3124	8.1	172057.7	+2150.7	3214	9.5	174031.1	+2115.9	3304	9.5	175958.0	+2126.0	3394	8.9	181450.8	+2151.1
3125	9.4	172058.0	+2107.1	3215	9.5	174032.1	+2118.0	3305	9.2	180034.7	+2152.8	3395	9.5	181501.6	+2141.6
3126	9.5	172106.8	+2106.7	3216	9.5	174054.9	+2102.5	3306	9.5	180034.6	+2128.5	3396	9.4	181502.1	+2148.8
3127	9.0	172120.0	+2128.0	3217	9.5	174104.6	+2152.9	3307	8.5	180038.8	+2100.0	3397	9.5	181519.4	+2152.1
3128	9.3	172132.3	+2139.5	3218	9.5	174138.1	+2112.7	3308	8.0	180055.0	+2145.8	3398	9.5	181529.5	+2135.4
3129	9.4	172149.5	+2147.3	3219	9.0	174140.3	+2108.8	3309	9.2	180113.5	+2142.7	3399	8.8	181534.3	+2117.7
3130	9.5	172154.0	+2114.6	3220	9.5	174211.0	+2158.8	3310	9.5	180115.5	+2104.8	3400	7.5	181539.1	+2126.3
3131	9.4	172204.7	+2118.6	3221	9.1	174223.1	+2111.3	3311	9.5	180123.6	+2141.5	3401	9.5	181541.8	+2156.7
3132	9.5	172206.2	+2123.2	3222	8.0	174228.1	+2108.3	3312	9.4	180124.9	+2136.7	3402	8.2	181551.0	+2112.0
3133	8.8	172209.1	+2131.3	3223	9.5	174253.4	+2100.6	3313	9.5	180145.1	+2153.0	3403	9.5	181620.5	+2132.3
3134	8.4	172221.9	+2148.1	3224	9.5	174254.6	+2125.6	3314	9.5	180146.1	+2104.0	3404	9.5	181621.1	+2145.4
3135	8.9	172225.8	+2123.1	3225	9.3	174302.8	+2116.3	3315	9.5	180157.4	+2132.9	3405	9.2	181634.7	+2152.3
3136	9.5	172259.6	+2157.4	3226	8.8	174309.1	+2123.3	3316	9.5	180159.5	+2125.7	3406	9.3	181649.5	+2136.5
3137	9.5	172344.7	+2153.9	3227	9.5	174334.9	+2150.6	3317	9.5	180210.7	+2131.0	3407	9.5	181700.0	+2111.7
3138	9.4	172348.8	+2143.5	3228	8.3	174339.2	+2126.2	3318	9.5	180246.0	+2137.6	3408	9.4	181719.6	+2108.0
3139	9.5	172410.2	+2118.5	3229	9.5	174405.8	+2150.4	3319	8.5	180247.3	+2157.3	3409	9.2	181720.4	+2125.7
3140	9.5	172442.2	+2102.4	3230	9.5	174432.6	+2147.6	3320	9.1	180253.1	+2121.7	3410	9.4	181725.9	+2113.2
3141	9.5	172445.4	+2143.2	3231	9.3	174454.6	+2135.6	3321	9.5	180258.7	+2106.5	3411	4.5	181730.6	+2142.1
3142	8.8	172452.8	+2156.4	3232	8.6	174512.6	+2108.1	3322	9.4	180303.4	+2128.5	3412	9.3	181747.3	+2138.6
3143	8.1	172455.1	+2108.7	3233	9.2	174515.6	+2112.2	3323	8.7	180320.3	+2107.5	3413	9.4	181802.5	+2144.3
3144	9.3	172521.4	+2151.0	3234	9.5	174526.3	+2129.8	3324	9.1	180332.5	+2114.2	3414	9.5	181807.3	+2139.3
3145	9.5	172535.3	+2100.0	3235	9.1	174527.1	+2152.3	3325	8.0	180335.5	+2119.5	3415	9.3	181828.0	+2102.7
3146	8.2	172601.7	+2122.8	3236	9.3	174541.4	+2102.5	3326	9.4	180346.5	+2125.1	3416	9.0	181832.1	+2106.0
3147	9.5	172641.4	+2112.6	3237	9.5	174627.5	+2143.3	3327	9.5	180358.3	+2113.0	3417	9.4	181840.4	+2123.8
3148	9.5	172642.0	+2150.3	3238	9.5	174634.4	+2149.6	3328	8.5	180425.4	+2100.4	3418	9.4	181842.5	+2151.4
3149	9.5	172642.2	+2145.4	3239	9.0	174642.9	+2134.5	3329	9.1	180426.9	+2109.9	3419	7.7	181843.2	+2107.3
3150	8.7	172645.5	+2158.6	3240	9.3	174656.0	+2127.5	3330	9.5	180431.1	+2114.8	3420	9.5	181847.6	+2155.9
3151	9.3	172713.6	+2153.7	3241	9.5	174709.8	+2157.0	3331	9.4	180436.6	+2119.6	3421	9.5	181903.4	+2128.1

3439	8.3	182129.8	+2122.3	3529	9.5	183645.7	+2142.7	3619	3.8	185113.9	+2117.1	3709	9.5	190838.0	+2119.5
3440	9.5	182130.0	+2115.6	3530	9.4	183656.2	+2122.9	3620	9.3	185116.0	+2140.3	3710	9.4	190911.9	+2123.7
3441	9.5	182150.3	+2153.2	3531	7.7	183656.4	+2124.7	3621	9.5	185130.7	+2102.3	3711	9.3	190951.3	+2114.6
3442	9.5	182157.5	+2138.4	3532	9.2	183658.7	+2153.6	3622	9.5	185135.1	+2147.7	3712	9.2	190953.8	+2128.1
3443	9.5	182204.0	+2113.3	3533	9.3	183700.2	+2112.1	3623	5.5	185144.8	+2102.3	3713	4.7	190959.8	+2108.2
3444	9.5	182217.5	+2137.9	3534	9.5	183700.7	+2155.6	3624	5.1	185206.8	+2103.3	3714	9.5	191003.5	+2136.3
3445	9.0	182220.7	+2150.5	3535	9.3	183710.9	+2132.7	3625	8.5	185209.9	+2128.2	3715	9.3	191020.7	+2120.5
3446	9.3	182229.2	+2111.2	3536	9.2	183713.2	+2131.7	3626	8.6	185213.1	+2153.1	3716	9.5	191028.6	+2120.5
3447	9.5	182229.7	+2113.7	3537	9.5	183730.2	+2107.7	3627	9.5	185221.0	+2140.3	3717	9.2	191033.1	+2147.7
3448	9.5	182231.5	+2133.7	3538	9.5	183753.2	+2107.7	3628	9.5	185238.2	+2159.9	3718	9.5	191115.7	+2104.1
3449	9.2	182237.9	+2103.5	3539	9.5	183802.2	+2113.4	3629	9.4	185317.9	+2123.3	3719	7.3	191120.0	+2133.0
3450	9.0	182246.7	+2150.5	3540	9.5	183804.7	+2110.2	3630	8.6	185332.0	+2127.7	3720	9.1	191130.2	+2133.0
3451	8.9	182308.6	+2143.1	3541	9.3	183831.4	+2123.4	3631	8.2	185359.8	+2113.9	3721	9.1	191136.3	+2115.7
3452	9.3	182316.3	+2118.1	3542	9.3	183837.6	+2148.2	3632	9.4	185453.1	+2152.4	3722	9.5	191201.0	+2133.5
3453	9.3	182319.4	+2128.4	3543	9.5	183841.0	+2159.3	3633	9.5	185505.0	+2101.2	3723	9.2	191202.4	+2128.6
3454	9.5	182337.3	+2144.9	3544	9.5	183849.2	+2113.8	3634	6.7	185505.9	+2118.3	3724	9.5	191206.2	+2133.5
3455	9.3	182338.8	+2150.6	3545	9.4	183853.3	+2116.3	3635	8.9	185541.2	+2155.0	3725	9.3	191213.9	+2123.9
3456	8.0	182343.7	+2155.3	3546	9.3	183854.3	+2136.1	3636	9.5	185549.2	+2157.5	3726	8.2	191221.2	+2141.2
3457	8.0	182349.4	+2125.9	3547	9.5	183902.7	+2151.6	3637	9.5	185602.1	+2149.8	3727	9.3	191221.8	+2108.3
3458	9.3	182358.5	+2135.9	3548	9.5	183911.4	+2102.7	3638	9.0	185621.9	+2118.4	3728	9.5	191228.4	+2156.5
3459	7.8	182407.6	+2146.0	3549	9.5	183926.2	+2105.8	3639	8.8	185630.0	+2132.8	3729	9.2	191231.0	+2110.8
3460	9.5	182410.4	+2130.7	3550	6.9	183926.6	+2150.2	3640	9.4	185631.0	+2129.6	3730	9.5	191252.0	+2133.7
3461	9.5	182432.4	+2130.9	3551	9.2	183940.1	+2105.3	3641	9.5	185640.2	+2155.3	3731	9.5	191303.1	+2146.3
3462	9.1	182439.2	+2108.7	3552	9.4	183940.6	+2150.4	3642	9.5	185644.0	+2128.5	3732	8.5	191334.7	+2126.0
3463	9.4	182447.1	+2116.1	3553	9.3	184010.7	+2104.1	3643	9.4	185648.8	+2105.9	3733	9.0	191345.8	+2116.2
3464	8.8	182448.3	+2123.3	3554	9.2	184112.1	+2105.9	3644	9.3	185653.1	+2148.9	3734	9.3	191357.8	+2114.1
3465	8.0	182450.5	+2133.2	3555	9.5	184143.0	+2129.8	3645	9.5	185659.8	+2115.2	3735	9.3	191407.1	+2118.1
3466	9.1	182458.7	+2151.0	3556	9.4	184206.2	+2104.4	3646	9.4	185710.0	+2132.8	3736	8.1	191415.0	+2130.7
3467	9.5	182506.1	+2110.9	3557	9.5	184207.2	+2106.0	3647	9.2	185712.9	+2124.4	3737	8.9	191419.6	+2122.2
3468	9.5	182506.5	+2140.7	3558	9.5	184207.5	+2127.1	3648	6.7	185728.8	+2103.4	3738	9.5	191433.7	+2125.4
3469	9.5	182534.6	+2104.6	3559	9.5	184230.4	+2131.1	3649	9.5	185739.9	+2101.3	3739	8.0	191434.2	+2132.4
3470	7.8	182536.6	+2148.3	3560	7.1	184244.9	+2100.4	3650	8.9	185757.9	+2100.8	3740	6.7	191442.5	+2155.8
3471	9.4	182614.5	+2137.2	3561	9.5	184249.3	+2112.7	3651	9.5	185801.1	+2153.0	3741	9.5	191453.2	+2155.6
3472	9.4	182618.7	+2153.5	3562	9.5	184303.0	+2119.9	3652	9.5	185823.0	+2128.8	3742	8.9	191457.7	+2100.4
3473	9.1	182652.3	+2122.1	3563	8.8	184310.2	+2109.0	3653	7.8	185823.8	+2115.5	3743	9.2	191510.2	+2156.3
3474	9.5	182709.0	+2118.7	3564	9.4	184332.7	+2156.1	3654	7.7	185826.1	+2152.8	3744	9.4	191510.3	+2125.9
3475	8.9	182717.7	+2154.0	3565	8.8	184335.2	+2114.6	3655	9.4	185835.9	+2119.7	3745	9.5	191514.2	+2131.3
3476	9.0	182725.7	+2150.5	3566	9.5	184342.0	+2126.1	3656	9.5	185842.2	+2157.1	3746	9.0	191519.1	+2131.3
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+21 4875 22h57m

+21 4876 22h58m

+20 209 1h15m

4876	9.5	225816.3	+2125.0	4966	9.5	233149.3	+2116.4	30	8.9	01403.1	+2026.5	120	8.8	04547.1	+2036.6
4877	9.5	225837.2	+2117.4	4967	9.5	233156.5	+2151.0	31	9.3	01413.9	+2002.8	121	9.4	04609.6	+2022.4
4878	9.5	225854.0	+2154.6	4968	9.2	233255.2	+2153.2	32	9.5	01433.2	+2033.5	122	8.8	04616.4	+2013.4
4879	8.9	225904.7	+2148.6	4969	8.5	233313.7	+2141.4	33	9.1	01447.7	+2045.2	123	9.3	04629.7	+2019.3
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4881	8.6	225934.1	+2102.3	4971	9.5	233329.9	+2158.6	35	9.5	01554.1	+2046.5	125	8.9	04716.2	+2031.4
4882	9.5	230054.9	+2157.8	4972	9.5	233343.8	+2157.8	36	9.5	01733.9	+2026.9	126	8.3	04719.6	+2017.2
4883	9.5	230106.5	+2150.7	4973	9.5	233423.0	+2138.2	37	9.5	01803.5	+2001.1	127	9.5	04752.7	+2053.5
4884	8.5	230107.3	+2119.5	4974	9.3	233507.3	+2143.4	38	8.1	01825.8	+2013.1	128	9.0	04905.8	+2050.8
4885	8.5	230146.1	+2141.3	4975	9.0	233539.5	+2109.0	39	9.2	01828.2	+2039.0	129	7.0	04945.7	+2041.8
4886	9.3	230150.6	+2158.4	4976	8.6	233542.0	+2118.8	40	9.4	01828.3	+2004.4	130	8.5	05013.7	+2013.8
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4888	9.0	230244.2	+2141.6	4978	9.3	233627.3	+2120.5	42	9.5	01852.0	+2008.5	132	9.0	05044.6	+2019.3
4889	9.5	230251.4	+2155.5	4979	9.5	233629.9	+2158.7	43	9.5	01912.1	+2054.9	133	9.1	05104.9	+2017.9
4890	9.5	230352.8	+2114.2	4980	9.5	233656.1	+2156.8	44	7.3	01937.8	+2026.9	134	9.5	05115.9	+2026.2
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4906	9.1	231004.8	+2133.4	4996	9.3	234816.7	+2101.1	60	9.4	02440.6	+2042.0	150	9.5	05708.3	+2003.9
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4911	9.1	231123.2	+2155.5	5001	8.0	234951.2	+2112.7	65	9.5	02653.6	+2047.9	155	8.9	05756.7	+2052.4
4912	9.5	231157.7	+2148.6	5002	7.8	234956.1	+2133.3	66	9.0	02655.5	+2034.4	156	5.0	05757.3	+2042.4
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4921	9.0	231449.4	+2158.1	5011	9.3	235404.7	+2136.4	75	9.5	02850.4	+2043.8	165	9.4	10120.6	+2052.7
4922	9.3	231521.3	+2140.0	5012	9.5	235413.1	+2101.7	76	8.0	02851.3	+2015.6	166	9.2	10140.0	+2013.6
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4925	9.3	231626.5	+2151.8	5015	9.2	235437.5	+2131.4	79	9.5	02938.2	+2011.9	169	9.5	10220.1	+2012.7
4926	9.5	231643.7	+2108.1	5016	9.4	235541.5	+2134.7	80	9.0	02942.7	+2049.0	170	9.5	10308.2	+2048.7
4927	8.9	231713.3	+2126.1	5017	9.4	235550.1	+2137.5	81	8.5	03002.6	+2036.1	171	8.8	10333.1	+2054.3
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1655 8.9 65011.8 +2019.2	1745 8.8 70606.0 +2006.6	1835 9.4 72440.8 +2028.5	1925 9.2 74301.2 +2013.2				
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1657 9.5 65021.5 +2047.8	1747 9.1 70629.2 +2029.6	1837 9.5 72507.2 +2045.5	1927 9.5 74349.1 +2039.0				
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1666 9.5 65230.5 +2016.0	1756 9.5 70809.2 +2020.8	1846 9.0 72656.5 +2008.8	1936 9.5 74517.7 +2053.3				
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1723 8.5 70144.3 +2013.2	1813 9.5 71959.9 +2021.4	1903 9.5 73902.4 +2005.3	1993 8.3 75560.0 +2011.8				
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1736 8.7 70432.6 +2049.0	1826 9.5 72256.0 +2037.7	1916 9.5 74136.4 +2005.7	2006 9.5 75597.9 +2032.8				
1737 9.5 70448.8 +2015.9	1827 9.5 72308.1 +2045.0	1917 9.5 74142.5 +2011.1	2007 9.5 80013.1 +2042.9				
1738 9.5 70504.4 +2017.1	1828 9.0 72310.4 +2016.4	1918 9.5 74204.9 +2013.2	2008 8.7 80014.7 +2011.2				

+20 2009 8h00m

+20 2368 9h35m

2009 9.5 80020.5 +2042.2	2099 9.4 82304.4 +2022.2	2189 9.2 83358.7 +2033.1	2279 9.4 90146.8 +2016.8
2010 9.5 80032.7 +2056.2	2100 9.5 82311.9 +2008.9	2190 9.5 83358.9 +2014.7	2280 9.5 90219.2 +2020.3
2011 9.4 80052.7 +2048.4	2101 9.5 82325.3 +2022.0	2191 9.0 83400.0 +2041.3	2281 9.5 90314.5 +2058.7
2012 9.0 80053.9 +2031.8	2102 9.5 82341.1 +2051.0	2192 9.4 83422.3 +2002.9	2282 8.7 90330.7 +2055.8
2013 9.5 80215.9 +2040.4	2103 9.4 82341.9 +2005.9	2193 9.4 83426.4 +2006.2	2283 9.5 90334.7 +2009.5
2014 9.5 80313.0 +2043.9	2104 9.1 82346.4 +2003.5	2194 9.5 83444.1 +2006.3	2284 9.5 90340.3 +2013.5
2015 9.5 80316.8 +2056.6	2105 9.5 82352.9 +2008.8	2195 9.4 83452.5 +2053.4	2285 9.3 90348.6 +2004.0
2016 9.4 80325.0 +2023.9	2106 9.2 82359.4 +2003.4	2196 9.5 83515.7 +2042.8	2286 9.4 90351.6 +2006.0
2017 9.5 80346.1 +2007.6	2107 9.2 82406.4 +2000.8	2197 9.5 83531.6 +2012.9	2287 8.8 90436.6 +2037.0
2018 9.5 80400.7 +2007.2	2108 8.5 82416.8 +2037.4	2198 9.5 83546.3 +2036.3	2288 9.2 90437.7 +2038.4
2019 9.5 80455.8 +2025.8	2109 5.6 82420.6 +2035.6	2199 9.3 83607.2 +2029.2	2289 9.5 90547.6 +2020.0
2020 8.2 80457.9 +2042.5	2110 9.5 82452.6 +2050.2	2200 9.3 83608.0 +2044.4	2290 9.5 90606.3 +2007.4
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2024 9.5 80617.5 +2040.7	2114 9.5 82520.6 +2046.5	2204 9.5 83644.5 +2051.5	2294 9.1 90753.1 +2026.8
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2026 9.2 80645.6 +2003.5	2116 9.5 82601.6 +2017.1	2206 8.8 83708.4 +2055.0	2296 9.5 90813.7 +2001.5
2027 9.5 80653.2 +2008.1	2117 9.2 82640.1 +2000.4	2207 8.0 83730.2 +2032.7	2297 9.5 90822.4 +2014.1
2028 8.2 80658.9 +2040.4	2118 7.7 82659.9 +2004.6	2208 9.5 83753.4 +2022.9	2298 9.5 90844.2 +2034.4
2029 9.5 80725.0 +2043.0	2119 9.5 82707.1 +2042.0	2209 8.4 83756.2 +2013.2	2299 9.5 90848.0 +2042.2
2030 9.5 80741.2 +2007.8	2120 9.5 82709.0 +2007.3	2210 8.2 83801.0 +2056.2	2300 9.2 90925.3 +2030.9
2031 9.4 80746.1 +2002.1	2121 9.3 82718.2 +2051.1	2211 9.5 83819.9 +2006.3	2301 9.5 90945.0 +2009.9
2032 9.5 80747.1 +2030.4	2122 8.7 82720.7 +2049.0	2212 8.9 83828.1 +2020.2	2302 8.9 91030.6 +2001.7
2033 9.5 80754.1 +2009.0	2123 8.2 82724.2 +2016.0	2213 8.7 83829.5 +2050.2	2303 9.4 91257.9 +2048.1
2034 9.4 80806.0 +2051.9	2124 9.5 82751.9 +2054.0	2214 9.5 83854.8 +2011.2	2304 9.5 91310.1 +2058.6
2035 9.4 80806.4 +2019.2	2125 8.1 82756.3 +2050.7	2215 9.4 83907.8 +2019.7	2305 8.6 91311.6 +2004.0
2036 9.5 80822.2 +2001.9	2126 9.5 82757.5 +2040.0	2216 8.6 83908.7 +2027.0	2306 9.1 91316.9 +2018.5
2037 9.5 80829.0 +2019.2	2127 9.5 82825.5 +2015.5	2217 9.2 83917.9 +2019.4	2307 9.5 91323.9 +2017.5
2038 9.5 80848.9 +2043.5	2128 9.2 82841.3 +2005.8	2218 9.4 83926.3 +2018.6	2308 9.4 91413.9 +2053.5
2039 9.2 80924.2 +2045.3	2129 8.0 82903.4 +2059.3	2219 9.0 83953.5 +2012.0	2309 9.4 91417.5 +2010.0
2040 8.0 80924.7 +2015.4	2130 9.1 82908.3 +2004.3	2220 9.5 83955.1 +2053.2	2310 9.3 91421.3 +2010.4
2041 9.3 80927.9 +2008.8	2131 8.8 82910.8 +2031.3	2221 9.5 84017.6 +2009.6	2311 9.4 91440.0 +2007.7
2042 9.5 80930.2 +2055.1	2132 8.2 82916.3 +2014.7	2222 8.7 84022.3 +2051.7	2312 9.5 91514.6 +2001.7
2043 9.5 80932.3 +2054.8	2133 8.4 82920.9 +2002.4	2223 9.4 84029.5 +2028.7	2313 9.2 91523.4 +2030.2
2044 9.5 80948.6 +2012.2	2134 9.2 82941.7 +2038.0	2224 9.2 84200.2 +2053.1	2314 7.4 91536.3 +2059.1
2045 8.5 81006.4 +2004.0	2135 9.5 82952.8 +2003.5	2225 9.5 84222.6 +2047.4	2315 8.4 91555.4 +2005.3
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2047 9.5 81022.0 +2050.5	2137 9.1 83013.6 +2021.7	2227 9.5 84249.1 +2059.5	2317 9.0 91601.5 +2029.2
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2049 8.5 81036.1 +2025.6	2139 9.0 83027.5 +2000.3	2229 9.0 84343.6 +2020.7	2319 9.5 91722.4 +2027.8
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2725 8.0 122129.0 +2045.4
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+20 2726 12h21m

+20 2727 12h22m

+20 3086 15h09m

2727	8.7	122207.0	+2006.2	2817	9.5	131027.4	+2026.0	2907	8.4	135256.1	+2035.5	2997	8.2	143046.9	+2029.0
2728	8.7	122250.6	+2009.4	2818	9.5	131045.5	+2048.3	2908	9.3	135339.0	+2053.6	2998	8.7	143051.0	+2002.0
2729	9.4	122335.4	+2042.3	2819	9.4	131055.8	+2007.5	2909	9.5	135356.4	+2002.0	2999	9.5	143133.9	+2046.0
2730	8.5	122501.5	+2048.1	2820	9.3	131216.1	+2008.7	2910	9.0	135403.1	+2051.1	3000	8.2	143147.4	+2029.0
2731	9.4	122553.1	+2003.6	2821	9.0	131228.8	+2065.4	2911	8.7	135506.8	+2008.0	3001	9.4	143151.5	+2048.9
2732	9.5	122609.2	+2026.1	2822	9.3	131229.6	+2001.4	2912	9.5	135526.0	+2011.5	3002	9.5	143235.0	+2020.0
2733	9.1	122620.6	+2054.6	2823	9.5	131254.0	+2009.2	2913	9.0	135544.4	+2029.2	3003	9.5	143247.4	+2005.6
2734	9.5	122658.3	+2006.5	2824	9.0	131325.3	+2027.0	2914	8.8	135634.1	+2034.5	3004	9.3	143249.5	+2003.4
2735	9.0	122706.6	+2003.0	2825	9.5	131334.2	+2053.6	2915	9.3	135701.8	+2023.0	3005	9.2	143303.5	+2018.3
2736	8.9	122706.7	+2024.0	2826	9.5	131343.8	+2035.0	2916	9.2	135745.9	+2005.5	3006	9.0	143317.9	+2011.6
2737	8.5	122722.6	+2012.9	2827	9.5	131424.1	+2000.0	2917	9.5	135822.6	+2025.4	3007	9.0	143351.3	+2030.7
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2739	9.4	122811.8	+2028.5	2829	9.5	131514.2	+2026.4	2919	8.6	135900.9	+2038.5	3009	9.4	143547.4	+2007.1
2740	9.0	122922.5	+2025.9	2830	9.0	131604.5	+2001.9	2920	8.5	135957.3	+2047.7	3010	9.1	143556.1	+2006.5
2741	9.2	122926.9	+2014.3	2831	9.0	131651.7	+2053.8	2921	9.0	140015.5	+2052.9	3011	9.5	143620.4	+2006.6
2742	9.5	122934.4	+2059.0	2832	9.5	131718.8	+2054.5	2922	8.8	140035.1	+2017.4	3012	9.4	143641.5	+2041.2
2743	9.3	122941.1	+2017.0	2833	9.4	131752.1	+2048.1	2923	9.5	140038.9	+2050.1	3013	9.4	143645.0	+2052.0
2744	9.3	122955.4	+2055.8	2834	9.5	131833.6	+2039.9	2924	8.8	140042.0	+2036.2	3014	9.4	143647.6	+2040.7
2745	9.5	123013.3	+2028.3	2835	8.8	132029.0	+2048.3	2925	9.5	140047.1	+2005.4	3015	9.0	143656.8	+2043.8
2746	8.8	123015.6	+2046.8	2836	9.5	132126.2	+2034.8	2926	9.5	140059.4	+2051.8	3016	9.5	143659.9	+2031.0
2747	9.4	123139.1	+2055.6	2837	7.8	132156.0	+2032.6	2927	9.5	140101.3	+2040.4	3017	9.5	143729.0	+2007.5
2748	8.3	123208.0	+2049.8	2838	9.0	132247.5	+2056.6	2928	9.0	140119.8	+2049.7	3018	9.3	143818.6	+2029.0
2749	9.5	123209.9	+2005.5	2839	9.2	132307.4	+2004.4	2929	9.5	140120.7	+2033.2	3019	9.0	143829.7	+2044.8
2750	9.5	123219.5	+2010.6	2840	9.5	132314.6	+2006.3	2930	9.0	140132.8	+2001.5	3020	8.5	143842.9	+2046.6
2751	8.6	123221.8	+2043.7	2841	9.5	132418.6	+2019.0	2931	9.2	140148.0	+2054.8	3021	9.3	143924.8	+2011.4
2752	9.0	123240.9	+2023.0	2842	9.5	132434.4	+2016.4	2932	8.3	140205.3	+2009.4	3022	9.5	143928.0	+2059.6
2753	8.5	123311.8	+2033.5	2843	9.0	132454.2	+2027.7	2933	8.2	140258.1	+2025.0	3023	9.5	144016.3	+2004.7
2754	9.3	123421.9	+2014.8	2844	9.3	132617.9	+2059.8	2934	9.3	140323.2	+2002.7	3024	7.5	144020.0	+2024.6
2755	8.5	123422.3	+2039.9	2845	9.5	132652.0	+2023.5	2935	9.5	140331.0	+2044.0	3025	8.0	144227.5	+2018.0
2756	9.5	123530.2	+2002.5	2846	9.1	132803.4	+2009.2	2936	9.4	140340.4	+2027.5	3026	6.9	144250.0	+2007.2
2757	9.5	123751.1	+2032.4	2847	9.5	132859.7	+2022.5	2937	9.5	140347.2	+2052.7	3027	9.5	144256.6	+2027.6
2758	9.5	123846.0	+2021.5	2848	8.5	132922.5	+2045.1	2938	9.5	140351.0	+2002.6	3028	9.0	144311.4	+2014.8
2759	9.0	123941.2	+2025.4	2849	9.0	133004.8	+2035.0	2939	9.2	140450.1	+2051.3	3029	9.5	144332.2	+2034.8
2760	9.0	123942.1	+2012.5	2850	9.4	133044.2	+2037.1	2940	9.0	140500.7	+2059.9	3030	9.5	144439.4	+2018.6
2761	7.5	124105.6	+2006.7	2851	9.4	133106.7	+2037.5	2941	9.0	140518.4	+2002.9	3031	9.5	144508.7	+2025.2
2762	9.2	124145.9	+2059.5	2852	9.3	133128.5	+2057.5	2942	8.5	140523.9	+2029.2	3032	7.3	144531.2	+2053.6
2763	8.7	124147.9	+2029.5	2853	9.5	133140.2	+2020.4	2943	9.1	140604.6	+2044.2	3033	9.5	144544.3	+2002.7
2764	9.0	124152.3	+2028.4	2854	9.2	133146.0	+2010.8	2944	8.5	140700.6	+2042.5	3034	8.8	144645.9	+2019.3
2765	9.2	124208.1	+2018.8	2855	9.5	133152.7	+2059.3	2945	8.0	140709.7	+2015.0	3035	9.5	144650.5	+2016.6
2766	9.3	124256.2	+2039.7	2856	9.5	133221.2	+2007.3	2946	9.5	140727.4	+2038.6	3036	7.5	144655.5	+2029.0
2767	9.5	124426.8	+2034.0	2857	9.3	133232.8	+2056.5	2947	9.5	140745.3	+2055.4	3037	9.5	144731.4	+2007.0
2768	8.3	124434.6	+2002.0	2858	5.5	133344.7	+2041.3	2948	9.5	140812.5	+2019.6	3038	9.5	144819.0	+2020.3
2769	8.3	124450.7	+2057.0	2859	7.5	133345.5	+2044.9	2949	8.0	140817.6	+2034.1	3039	9.5	144912.4	+2043.5
2770	9.2	124535.6	+2046.1	2860	9.5	133407.5	+2019.6	2950	9.5	140823.2	+2033.4	3040	9.5	144917.5	+2051.8
2771	7.8	124555.8	+2025.0	2861	9.1	133427.7	+2027.6	2951	9.5	140826.4	+2041.4	3041	9.1	144926.1	+2016.6
2772	6.5	124623.9	+2017.0	2862	9.5	133440.4	+2036.0	2952	9.0	140910.8	+2014.0	3042	9.2	144961.6	+2048.0
2773	7.0	124756.9	+2024.9	2863	9.3	133445.5	+2027.1	2953	9.5	140934.7	+2018.9	3043	9.0	145009.6	+2016.2
2774	8.8	124808.8	+2053.2	2864	9.1	133618.7	+2041.7	2954	7.0	140949.1	+2048.0	3044	9.5	145031.5	+2026.6
2775	8.7	124810.4	+2033.4	2865	8.3	133626.4	+2056.9	2955	9.5	140959.5	+2010.3	3045	9.5	145043.6	+2024.8
2776	8.5	124820.5	+2044.1	2866	9.5	133643.5	+2028.1	2956	9.5	141140.2	+2009.0	3046	9.5	145129.6	+2053.9
2777	9.5	124835.0	+2016.3	2867	9.5	133832.0	+2019.5	2957	8.3	141202.8	+2031.2	3047	9.5	145200.0	+2042.1
2778	9.4	124858.3	+2058.1	2868	9.5	133833.1	+2026.1	2958	9.5	141211.5	+2002.4	3048	9.5	145200.5	+2009.6
2779	8.6	124913.4	+2054.1	2869	9.5	133901.4	+2046.7	2959	9.5	141213.4	+2042.5	3049	9.5	145228.4	+2007.9
2780	9.5	125007.0	+2014.3	2870	9.1	134006.4	+2011.6	2960	9.5	141215.3	+2036.0	3050	9.5	145246.1	+2014.8
2781	9.5	125146.4	+2021.0	2871	8.8	134022.8	+2051.9	2961	9.1	141248.5	+2013.1	3051	8.3	145252.0	+2056.8
2782	9.5	125213.5	+2046.8	2872	8.4	134044.6	+2001.9	2962	8.7	141300.8	+2010.1	3052	9.4	145644.4	+2041.4
2783	9.5	125219.1	+2032.0	2873	9.5	134128.5	+2019.2	2963	9.3	141322.9	+2022.2	3053	9.0	145650.4	+2048.6
2784	8.3	125321.9	+2026.3	2874	9.1	134218.0	+2054.5	2964	9.5	141347.0	+2050.9	3054	9.1	145710.5	+2039.8
2785	9.5	125500.4	+2047.8	2875	9.0	134230.6	+2040.7	2965	9.4	141349.1	+2016.3	3055	9.5	145710.9	+2012.0
2786	9.1	125555.0	+2042.3	2876	8.0	134239.8	+2005.1	2966	7.5	141416.6	+2025.2	3056	7.5	145753.7	+2025.5
2787	9.5	125654.9	+2012.8	2877	8.8	134242.8	+2059.7	2967	9.4	141450.4	+2018.6	3057	8.0	145907.3	+2057.2
2788	9.1	125705.7	+2011.1	2878	8.2	134256.0	+2004.6	2968	8.4	141456.7	+2002.1	3058	9.4	145916.1	+2038.0
2789	9.2	125710.8	+2056.9	2879	9.1	134309.4	+2009.5	2969	9.3	141513.7	+2023.7	3059	9.0	145922.7	+2045.2
2790	9.4	125724.4	+2025.2	2880	9.4	134328.0	+2036.6	2970	30.0	141516.5	+2028.3	3060	9.5	145943.1	+2010.8
2791	9.1	125730.0	+2008.2	2881	9.3	134332.2	+2032.0	2971	9.5	141521.2	+2049.9	3061	9.4	150008.5	+2008.7
2792	9.3	125900.3	+2052.9	2882	9.0	134356.5	+2053.5	2972	9.4	141523.2	+2055.4	3062	9.5	150008.9	+2048.6
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2797	9.0	130051.6	+2027.4	2887	9.3	134456.5	+2054.4	2977	8.7	141936.7	+2002.0	3067	9.3	150123.1	+2027.3
2798	8.9	130110.2	+2053.8	2888	9.2	134533.1	+2056.0	2978	9.0	141943.5	+2021.9	3068	8.7	150143.2	+2004.3
2799	8.9	130153.1	+2049.9	2889	9.3	134612.6	+2024.7	2979	9.5	142156.6	+2058.2	3069	9.1	150151.7	+2007.3

+20 3087 15h09m

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+20 5242 22h47m

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1595 9.4 65551.5 +1914.2
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1602 9.0 65745.5 +1905.9
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1604 9.5 65803.3 +1952.8
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1606 9.5 65808.3 +1910.6
1607 9.5 65816.1 +1907.5
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1609 9.5 65834.0 +1916.5

+19 1610 6h58m

1610 9.4 65841.7 +1906.9	1700 9.5 71229.8 +1952.0	1790 9.5 73017.7 +1937.2	1880 9.3 74845.2 +1923.0
1611 9.5 65847.2 +1953.9	1701 9.5 71236.4 +1922.9	1791 9.3 73136.6 +1908.8	1881 9.5 74849.3 +1916.8
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1613 9.5 65852.3 +1915.3	1703 9.5 71245.3 +1956.9	1793 9.4 73152.7 +1938.2	1883 8.9 74914.7 +1911.1
1614 9.5 65856.5 +1952.1	1704 9.5 71249.8 +1904.1	1794 8.0 73156.5 +1940.9	1884 9.1 74915.9 +1931.2
1615 9.5 65859.4 +1908.0	1705 9.3 71252.1 +1925.9	1795 9.5 73157.1 +1958.3	1885 9.5 74939.1 +1951.6
1616 9.5 65956.2 +1927.6	1706 9.5 71253.6 +1903.1	1796 9.3 73216.4 +1912.3	1886 9.5 74950.1 +1917.2
1617 9.5 70016.6 +1953.0	1707 9.2 71247.2 +1928.1	1797 9.5 73225.2 +1955.2	1887 9.5 75000.3 +1947.7
1618 9.4 70016.9 +1938.8	1708 9.3 71248.0 +1954.6	1798 9.5 73245.2 +1918.1	1888 9.5 75009.1 +1917.2
1619 9.2 70020.7 +1908.8	1709 9.5 71508.2 +1921.7	1799 9.3 73304.4 +1948.5	1889 9.5 75034.7 +1956.4
1620 8.5 70022.9 +1932.1	1710 9.5 71510.8 +1918.1	1800 9.2 73342.7 +1920.9	1890 9.5 75035.4 +1922.3
1621 9.5 70030.8 +1959.2	1711 9.3 71515.4 +1932.3	1801 9.2 73353.0 +1920.0	1891 9.4 75037.0 +1936.6
1622 8.8 70032.0 +1917.6	1712 9.5 71523.2 +1948.4	1802 9.3 73356.8 +1925.0	1892 9.2 75043.2 +1952.5
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1625 8.5 70110.1 +1930.6	1715 9.5 71546.9 +1949.4	1805 9.5 73442.5 +1945.7	1895 9.4 75155.2 +1954.6
1626 9.3 70118.8 +1957.0	1716 9.0 71552.4 +1935.1	1806 9.2 73456.0 +1947.2	1896 7.0 75208.8 +1914.0
1627 9.5 70122.8 +1936.4	1717 8.5 71556.6 +1911.1	1807 9.0 73503.1 +1936.9	1897 9.5 75211.1 +1932.2
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1629 8.0 70125.9 +1904.3	1719 9.3 71640.4 +1931.0	1809 9.4 73519.6 +1937.7	1899 9.5 75227.4 +1957.7
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1632 9.0 70150.0 +1924.1	1722 9.5 71722.4 +1913.6	1812 9.5 73546.2 +1913.9	1902 9.5 75335.7 +1909.3
1633 9.5 70201.2 +1952.0	1723 9.5 71723.8 +1903.4	1813 9.2 73559.0 +1937.6	1903 9.3 75418.2 +1908.8
1634 8.6 70207.3 +1932.2	1724 9.5 71726.0 +1920.9	1814 9.5 73604.1 +1932.5	1904 9.5 75418.6 +1931.8
1635 8.5 70208.8 +1933.5	1725 9.5 71730.7 +1947.0	1815 9.5 73613.2 +1909.4	1905 9.5 75429.4 +1923.4
1636 9.5 70217.1 +1957.7	1726 9.5 71748.4 +1953.1	1816 9.2 73618.3 +1935.0	1906 9.4 75435.0 +1907.5
1637 9.5 70219.4 +1934.3	1727 8.8 71807.3 +1935.3	1817 9.5 73639.4 +1901.5	1907 9.5 75450.5 +1910.0
1638 9.5 70231.8 +1959.2	1728 9.5 71820.4 +1932.6	1818 9.4 73647.5 +1923.8	1908 9.5 75458.8 +1935.0
1639 9.0 70233.8 +1906.1	1729 9.0 71822.2 +1914.1	1819 9.3 73648.3 +1901.9	1909 9.5 75553.2 +1955.2
1640 9.3 70247.0 +1911.6	1730 9.5 71830.4 +1924.6	1820 9.4 73700.0 +1938.6	1910 9.4 75615.1 +1914.4
1641 9.3 70242.9 +1917.3	1731 9.0 71834.3 +1917.0	1821 9.1 73709.3 +1900.5	1911 7.0 75624.4 +1914.5
1642 9.4 70252.7 +1959.1	1732 9.3 71850.0 +1928.8	1822 9.5 73710.1 +1946.3	1912 9.5 75627.8 +1901.6
1643 9.5 70315.5 +1941.9	1733 8.7 71853.1 +1928.3	1823 9.5 73716.5 +1943.2	1913 9.5 75632.7 +1923.1
1644 8.8 70322.0 +1930.9	1734 7.2 71921.6 +1920.5	1824 9.5 73750.2 +1926.3	1914 9.5 75637.1 +1952.6
1645 9.0 70325.6 +1923.1	1735 9.5 71928.4 +1949.3	1825 9.5 73812.0 +1922.0	1915 9.5 75700.1 +1921.3
1646 9.5 70341.7 +1912.7	1736 9.5 71934.7 +1924.0	1826 9.4 73813.4 +1935.7	1916 9.5 75700.6 +1953.7
1647 9.4 70347.0 +1937.0	1737 9.5 71948.9 +1937.9	1827 9.2 73816.9 +1916.0	1917 9.5 75711.8 +1902.7
1648 9.4 70354.7 +1954.5	1738 9.3 71952.3 +1909.4	1828 9.5 73819.2 +1914.4	1918 9.5 75713.4 +1905.1
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1651 9.4 70453.5 +1945.4	1741 9.5 72040.6 +1920.8	1831 9.5 73826.0 +1913.7	1921 9.5 75728.7 +1921.4
1652 8.6 70514.6 +1927.6	1742 9.5 72042.5 +1913.0	1832 8.2 73841.3 +1908.1	1922 9.4 75732.4 +1948.7
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1656 9.5 70553.3 +1936.3	1746 9.5 72124.0 +1943.0	1836 9.5 73853.0 +1932.1	1926 9.5 75748.0 +1942.7
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1659 8.3 70605.7 +1956.9	1749 8.7 72200.7 +1915.9	1839 9.5 73956.4 +1956.9	1929 9.2 75835.1 +1902.6
1660 9.4 70624.9 +1928.3	1750 9.1 72243.9 +1917.0	1840 9.5 74007.1 +1948.3	1930 9.5 75856.1 +1953.8
1661 8.0 70651.6 +1903.7	1751 9.5 72358.4 +1921.8	1841 9.5 74030.6 +1954.9	1931 9.5 75902.4 +1952.1
1662 8.0 70653.6 +1918.7	1752 9.2 72405.7 +1947.4	1842 9.4 74036.9 +1931.2	1932 9.4 75906.8 +1915.9
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1680 9.5 71001.5 +1942.1	1770 9.5 72710.3 +1956.2	1860 8.6 74421.9 +1911.4	1949 9.5 80288.5 +1914.4
1681 9.5 71002.0 +1910.9	1771 9.5 72711.0 +1918.2	1861 9.5 74440.6 +1904.2	1950 9.5 80288.8 +1932.8
1682 9.5 71008.5 +1953.4	1772 9.0 72740.9 +1903.1	1862 9.5 74442.6 +1921.3	1951 9.5 80344.7 +1922.2
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1685 7.7 71131.4 +1947.5	1775 8.8 72757.2 +1933.1	1865 9.5 74500.6 +1939.9	1954 9.5 80424.0 +1918.0
1686 8.8 71141.7 +1946.9	1776 9.0 72813.6 +1917.9	1866 9.5 74503.8 +1930.7	1955 9.5 80536.2 +1925.5
1687 9.5 71151.4 +1959.3	1777 9.0 72831.0 +1956.0	1867 9.5 74524.8 +1945.6	1956 9.5 80603.8 +1946.4
1688 9.0 71155.6 +1941.7	1778 9.4 72833.0 +1916.8	1868 9.5 74530.1 +1953.3	1957 9.5 80617.4 +1957.1
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1690 9.5 71211.7 +1958.3	1780 9.5 72843.4 +1951.8	1870 9.4 74710.8 +1909.3	1959 9.5 80712.1 +1913.7
1691 9.5 71211.9 +1945.8	1781 9.3 72845.7 +1933.5	1871 9.5 74721.7 +1928.7	1960 9.5 80714.1 +1937.9
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1693 9.3 71239.1 +1910.5	1783 9.5 72903.9 +1932.5	1873 8.8 74724.9 +1912.6	1962 9.2 80732.7 +1900.1
1694 9.5 71240.9 +1932.3	1784 7.0 72904.1 +1914.2	1874 9.5 74738.1 +1943.4	1963 7.6 80737.4 +1907.5
1695 9.5 71256.7 +1938.9	1785 9.3 72908.3 +1935.6	1875 9.5 74739.5 +1914.8	1964 9.1 80742.1 +1908.2
1696 9.2 71302.1 +1934.6	1786 9.5 72914.9 +1947.0	1876 9.0 74752.8 +1933.7	1965 9.5 80826.0 +1903.4
1697 9.5 71303.8 +1928.4	1787 9.5 72946.4 +1935.4	1877 9.4 74757.9 +1928.8	1966 9.4 80828.3 +1911.3
1698 9.4 71320.3 +1912.7	1788 9.5 72958.2 +1921.5	1878 9.5 74801.3 +1950.1	1967 9.5 80829.1 +1948.3
1699 8.8 71323.0 +1927.5	1789 9.3 73005.3 +1919.5	1879 9.0 74836.6 +1930.0	1968 9.4 80847.0 +1904.8

+19 1969 8h08m

1969 9.5 80852.6 +1958.6
1970 9.5 80912.4 +1952.5
1971 9.5 80956.4 +1915.2
1972 9.1 81007.8 +1924.6
1973 9.2 81008.8 +1917.3
1974 9.5 81016.7 +1940.2
1975 9.5 81021.4 +1945.7
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3008 9.4 153720.9 +1918.5
3009 9.5 153749.0 +1922.9
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3024 8.5 154505.3 +1943.6

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3043 9.5 155124.0 +1957.0
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+19 3044 15h52m

+19 3045 15h52m

+19 3403 17h35m

3045	9.5	155249.3	+1930.9	3135	7.6	163122.9	+1950.9	3225	9.5	165936.2	+1915.8	3315	9.4	172046.1	+1952.8
3046	8.8	155250.4	+1952.0	3136	9.5	163134.5	+1925.0	3226	9.5	165936.6	+1904.2	3316	9.1	172110.1	+1948.0
3047	9.5	155425.6	+1950.2	3137	9.5	163138.6	+1946.8	3227	9.4	165945.7	+1925.6	3317	9.5	172206.8	+1927.8
3048	9.0	155426.3	+1942.9	3138	9.5	163142.3	+1943.6	3228	9.5	170014.1	+1924.0	3318	9.1	172213.6	+1940.5
3049	9.1	155445.2	+1946.7	3139	9.5	163148.4	+1900.3	3229	9.4	170021.6	+1952.8	3319	8.7	172221.6	+1945.4
3050	9.4	155809.3	+1919.2	3140	8.5	163216.6	+1954.6	3230	9.4	170025.8	+1901.1	3320	8.8	172222.7	+1959.6
3051	9.5	155822.0	+1901.9	3141	9.1	163348.6	+1950.8	3231	9.5	170038.2	+1900.7	3321	9.3	172226.6	+1943.3
3052	9.5	155910.3	+1955.4	3142	8.9	163353.5	+1912.4	3232	9.5	170111.5	+1915.0	3322	9.5	172234.6	+1922.3
3053	8.8	155946.9	+1933.0	3143	9.5	163437.1	+1951.2	3233	9.4	170125.6	+1908.7	3323	9.3	172248.5	+1945.7
3054	9.5	155951.5	+1906.1	3144	9.1	163456.6	+1920.3	3234	9.1	170200.1	+1922.1	3324	9.5	172254.0	+1927.0
3055	9.5	155952.0	+1902.7	3145	9.2	163509.5	+1929.2	3235	9.5	170205.4	+1907.3	3325	9.5	172258.6	+1958.6
3056	9.0	160110.9	+1913.3	3146	7.0	163510.7	+1912.9	3236	9.3	170217.1	+1940.4	3326	9.1	172302.6	+1907.6
3057	8.9	160202.2	+1923.0	3147	9.5	163704.7	+1951.5	3237	9.5	170217.6	+1955.4	3327	9.4	172310.3	+1954.0
3058	9.5	160216.6	+1903.1	3148	9.5	163719.9	+1901.3	3238	9.2	170219.7	+1939.9	3328	8.5	172322.6	+1951.1
3059	8.5	160243.9	+1959.7	3149	8.7	163743.1	+1927.1	3239	9.4	170228.6	+1936.1	3329	9.5	172355.6	+1951.9
3060	9.5	160404.3	+1950.5	3150	9.5	163750.6	+1941.2	3240	9.0	170229.1	+1952.8	3330	9.5	172356.1	+1915.1
3061	9.1	160414.9	+1945.0	3151	9.5	163841.2	+1948.0	3241	9.5	170239.3	+1947.7	3331	9.5	172416.6	+1955.7
3062	9.1	160415.8	+1941.3	3152	9.0	163846.1	+1933.3	3242	9.1	170239.4	+1903.9	3332	9.5	172425.7	+1912.6
3063	9.2	160416.7	+1958.5	3153	8.9	163858.6	+1947.6	3243	9.0	170304.1	+1912.3	3333	9.5	172429.0	+1907.5
3064	9.2	160422.2	+1903.6	3154	8.0	163925.7	+1955.2	3244	9.3	170335.1	+1913.1	3334	9.5	172430.3	+1946.7
3065	9.5	160500.1	+1923.4	3155	9.5	163927.1	+1923.1	3245	9.5	170335.6	+1951.5	3335	9.5	172454.8	+1914.8
3066	9.3	160503.7	+1912.0	3156	9.5	163937.0	+1938.9	3246	9.5	170400.3	+1948.1	3336	8.2	172458.2	+1907.8
3067	9.0	160544.2	+1941.9	3157	9.5	163940.6	+1952.2	3247	9.5	170421.6	+1944.3	3337	9.5	172459.0	+1950.8
3068	9.5	160551.1	+1956.7	3158	9.5	163957.2	+1952.2	3248	9.5	170435.8	+1926.2	3338	6.5	172502.0	+1938.1
3069	9.5	160556.9	+1909.6	3159	9.2	164046.1	+1952.5	3249	9.5	170454.8	+1952.1	3339	9.5	172518.6	+1917.5
3070	9.0	160606.3	+1914.0	3160	9.5	164137.8	+1929.2	3250	9.0	170515.1	+1947.5	3340	9.4	172535.1	+1905.0
3071	9.0	160612.2	+1935.5	3161	8.4	164139.6	+1922.0	3251	9.4	170535.7	+1909.1	3341	8.8	172536.6	+1927.8
3072	6.8	160626.9	+1928.2	3162	9.5	164212.2	+1958.4	3252	9.5	170550.9	+1906.2	3342	8.3	172539.6	+1918.2
3073	9.5	160804.4	+1935.3	3163	9.4	164217.1	+1952.7	3253	9.5	170631.8	+1934.7	3343	9.5	172542.3	+1954.5
3074	9.5	160806.4	+1941.6	3164	9.5	164224.7	+1903.6	3254	9.5	170637.9	+1903.2	3344	9.5	172548.6	+1941.6
3075	9.0	161903.2	+1911.8	3165	9.5	164238.9	+1953.1	3255	9.4	170711.4	+1952.0	3345	9.3	172602.6	+1919.8
3076	7.8	160952.1	+1952.3	3166	7.8	164253.6	+1932.9	3256	8.0	170750.9	+1921.0	3346	9.5	172611.4	+1943.1
3077	7.2	161031.6	+1912.8	3167	9.5	164314.8	+1942.5	3257	9.5	170751.1	+1904.2	3347	9.4	172625.6	+1932.3
3078	9.5	161057.3	+1907.8	3168	9.4	164318.4	+1948.5	3258	9.2	170751.3	+1929.2	3348	7.3	172630.9	+1930.2
3079	9.0	161103.6	+1908.8	3169	9.4	164327.3	+1923.9	3259	9.5	170817.1	+1915.2	3349	8.0	172631.6	+1912.6
3080	9.5	161120.8	+1920.8	3170	9.5	164329.1	+1914.2	3260	9.5	170829.0	+1942.3	3350	9.4	172646.3	+1902.0
3081	9.2	161257.1	+1924.3	3171	9.4	164333.3	+1920.9	3261	9.5	170836.9	+1906.0	3351	9.5	172651.1	+1947.7
3082	9.5	161345.4	+1951.2	3172	9.5	164334.4	+1908.9	3262	9.5	170839.8	+1938.0	3352	8.5	172653.5	+1906.8
3083	9.0	161437.9	+1942.9	3173	9.5	164340.6	+1954.4	3263	9.5	170840.8	+1929.6	3353	9.4	172657.6	+1936.0
3084	9.5	161525.9	+1903.8	3174	8.6	164343.5	+1909.0	3264	6.8	170841.1	+1952.6	3354	5.0	172705.2	+1921.8
3085	9.3	161529.0	+1929.6	3175	8.5	164344.9	+1936.4	3265	9.5	170920.6	+1957.4	3355	9.5	172708.3	+1926.6
3086	3.0	161531.1	+1930.3	3176	9.5	164350.1	+1939.9	3266	9.4	170922.2	+1939.1	3356	8.6	172714.0	+1957.5
3087	9.5	161608.3	+1930.5	3177	9.0	164437.4	+1900.5	3267	9.4	170930.6	+1907.0	3357	9.5	172742.8	+1958.6
3088	9.5	161615.0	+1958.5	3178	8.0	164501.3	+1934.3	3268	9.4	170931.3	+1910.7	3358	7.5	172804.0	+1920.4
3089	7.8	161642.5	+1951.3	3179	9.0	164504.6	+1917.5	3269	9.5	170937.1	+1932.3	3359	9.5	172808.2	+1945.7
3090	9.2	161648.6	+1923.4	3180	9.5	164513.1	+1959.3	3270	9.5	171015.1	+1948.6	3360	9.1	172814.7	+1932.4
3091	8.8	161735.1	+1951.5	3181	9.5	164634.1	+1916.1	3271	9.3	171016.2	+1900.7	3361	8.0	172826.5	+1913.8
3092	7.7	161739.6	+1958.1	3182	9.5	164645.2	+1934.6	3272	9.5	171052.6	+1912.4	3362	9.5	172845.7	+1959.1
3093	9.5	161745.8	+1940.3	3183	9.5	164743.6	+1927.1	3273	9.5	171056.4	+1950.0	3363	9.3	172852.8	+1921.7
3094	8.3	161815.6	+1950.0	3184	9.5	164800.7	+1952.6	3274	9.5	171106.7	+1949.5	3364	9.0	172857.0	+1901.9
3095	9.5	161839.1	+1913.7	3185	9.5	164807.9	+1955.8	3275	9.5	171120.0	+1931.3	3365	9.5	172901.0	+1907.2
3096	7.0	161852.8	+1934.9	3186	8.8	164809.6	+1920.3	3276	9.4	171133.2	+1926.6	3366	9.3	172901.5	+1911.7
3097	9.1	161912.0	+1916.1	3187	9.5	164812.4	+1933.3	3277	9.3	171158.6	+1921.7	3367	9.3	172907.8	+1909.5
3098	30.0	161924.1	+1912.7	3188	9.5	164818.6	+1921.3	3278	9.5	171237.6	+1930.9	3368	9.2	172913.8	+1921.4
3099	9.5	161950.0	+1904.2	3189	9.5	164831.5	+1931.2	3279	9.5	171248.8	+1950.0	3369	9.4	172919.3	+1955.8
3100	8.7	162007.8	+1948.9	3190	9.5	164844.7	+1941.1	3280	9.0	171257.7	+1958.7	3370	9.4	172923.1	+1954.4
3101	8.5	162040.7	+1942.3	3191	9.5	164859.1	+1928.4	3281	7.3	171314.6	+1932.2	3371	9.4	172931.4	+1959.1
3102	7.6	162049.8	+1919.9	3192	9.5	164909.3	+1926.1	3282	8.5	171317.1	+1925.7	3372	6.6	172931.9	+1956.4
3103	8.6	162101.3	+1951.0	3193	9.3	164926.1	+1914.2	3283	9.3	171333.6	+1938.9	3373	9.1	172939.7	+1932.0
3104	9.5	162155.2	+1939.6	3194	9.5	164948.4	+1903.8	3284	9.5	171350.6	+1953.0	3374	9.5	172942.8	+1948.6
3105	9.1	162157.8	+1934.4	3195	9.2	165036.2	+1954.1	3285	9.5	171352.4	+1942.6	3375	9.4	172943.5	+1956.5
3106	9.5	162213.3	+1916.7	3196	9.3	165043.6	+1922.6	3286	8.8	171353.5	+1921.6	3376	9.5	173007.6	+1924.6
3107	7.0	162214.1	+1919.9	3197	9.5	165052.6	+1940.5	3287	9.0	171423.4	+1956.8	3377	9.2	173010.5	+1909.5
3108	9.3	162222.0	+1924.2	3198	8.7	165120.5	+1921.0	3288	9.4	171434.8	+1903.5	3378	9.5	173018.3	+1930.1
3109	9.5	162303.3	+1948.8	3199	9.5	165128.6	+1926.8	3289	9.5	171501.6	+1923.7	3379	9.5	173030.1	+1901.0
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3114	9.4	162518.5	+1913.9	3204	9.5	165240.2	+1937.1	3294	9.5	171606.6	+1930.7	3384	9.0	173110.1	+1942.6
3115	9.2	162520.7	+1936.7	3205	9.0	165321.6	+1938.1	3295	9.0	171610.1	+1946.1	3385	9.5	173121.9	+1919.3
3116	9.5	162622.0	+1953.9	3206	9.4	165324.4	+1904.6	3296	9.5	171620.0	+1954.9	3386	9.0	173127.9	+1902.1
3117	8.9	162635.5	+1902.3	3207	8.1	165341.9	+1948.8	3297	9.4	171630.2	+1917.5	3387	9.2	173149.0	+1952.0

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3762	7.2	183655.7	+1919.8	3852	9.5	185140.0	+1952.0	3942	9.1	190602.2	+1914.5	4031	9.5	192214.3	+1902.7
3763	9.2	183709.6	+1902.0	3853	9.3	185155.5	+1916.9	3943	8.9	190607.8	+1930.0	4032	9.5	192214.9	+1917.0
3764	9.4	183721.3	+1902.9	3854	8.1	185159.0	+1956.8	3944	9.2	190640.8	+1913.0	4033	9.4	192216.3	+1938.3
3765	8.6	183731.2	+1941.2	3855	9.3	185215.6	+1918.1	3945	9.4	190651.6	+1948.0	4034	9.0	192218.2	+1909.7
3766	9.4	183736.9	+1902.6	3856	8.9	185220.9	+1924.7	3946	8.9	190656.9	+1918.9	4035	9.5	192230.5	+1926.1
3767	9.3	183745.3	+1950.2	3857	9.0	185222.2	+1920.2	3947	9.5	190704.9	+1901.6	4036	9.5	192238.0	+1935.0
3768	8.9	183757.2	+1952.8	3858	5.8	185227.4	+1936.2	3948	9.5	190706.8	+1943.2	4037	9.3	192256.3	+1951.8
3769	9.5	183802.8	+1911.8	3859	9.5	185242.1	+1937.5	3949	7.5	190716.1	+1957.3	4038	9.4	192257.7	+1932.2
3770	9.0	183808.5	+1955.6	3860	9.5	185242.3	+1921.7	3950	9.2	190717.3	+1923.6	4039	7.0	192301.9	+1959.1
3771	9.0	183809.8	+1954.9	3861	8.9	185244.4	+1927.2	3951	9.5	190747.0	+1924.4	4040	9.3	192303.8	+1932.0
3772	9.4	183810.7	+1927.4	3862	9.4	185256.8	+1946.4	3952	8.9	190749.5	+1950.0	4041	9.5	192321.9	+1919.6
3773	9.3	183835.9	+1907.0	3863	8.3	185311.3	+1929.1	3953	9.3	190758.0	+1908.2	4042	9.5	192346.3	+1943.0
3774	9.4	183849.1	+1924.3	3864	8.8	185316.1	+1925.1	3954	9.5	190811.5	+1902.6	4043	9.3	192418.0	+1947.3
3775	9.5	183849.9	+1927.1	3865	7.7	185317.3	+1917.4	3955	8.5	190832.0	+1920.3	4044	9.5	192425.5	+1953.9
3776	9.5	183907.3	+1959.7	3866	9.3	185324.0	+1940.1	3956	6.0	190844.9	+1957.6	4045	9.3	192427.1	+1916.2
3777	9.5	183909.7	+1910.5	3867	9.5	185333.6	+1947.4	3957	9.5	190845.2	+1934.6	4046	8.0	192437.2	+1907.7
3778	9.3	183910.6	+1956.6	3868	9.4	185334.2	+1937.8	3958	9.3	190854.6	+1922.1	4047	9.4	192447.9	+1916.3
3779	7.0	183915.1	+1950.4	3869	9.3	185343.4	+1954.5	3959	7.2	190906.8	+1910.1	4048	9.1	192500.5	+1954.0
3780	9.0	183933.6	+1933.6	3870	8.7	185359.1	+1918.6	3960	9.5	190908.1	+1930.8	4049	9.5	192518.5	+1931.0
3781	9.5	183950.7	+1913.3	3871	9.0	185412.0	+1959.5	3961	8.2	190910.1	+1947.2	4050	9.5	192530.5	+1939.9
3782	9.5	184002.3	+1957.9	3872	8.7	185419.5	+1948.5	3962	9.5	190911.1	+1930.3	4051	9.4	192538.9	+1930.7
3783	9.4	184004.4	+1925.4	3873	9.4	185427.6	+1926.4	3963	9.1	190913.2	+1936.6	4052	9.5	192547.8	+1948.4
3784	9.3	184033.4	+1931.8	3874	8.8	185430.4	+1945.2	3964	9.4	190928.2	+1911.7	4053	9.2	192553.5	+1930.5
3785	9.5	184100.6	+1903.4	3875	9.5	185435.1	+1908.6	3965	9.2	190951.2	+1954.8	4054	9.5	192636.9	+1957.0
3786	9.5	184114.7	+1929.4	3876	9.4	185440.0	+1901.6	3966	9.5	191000.6	+1909.7	4055	9.5	192637.1	+1918.5
3787	8.0	184117.2	+1943.7	3877	8.0	185443.8	+1949.3	3967	9.5	191012.3	+1911.5	4056	9.5	192651.3	+1955.0
3788	9.0	184120.2	+1916.6	3878	9.2	185444.9	+1917.6	3968	9.5	191015.7	+1949.3	4057	9.4	192655.0	+1930.8
3789	9.4	184136.2	+1954.0	3879	6.5	185445.7	+1906.5	3969	9.5	191017.2	+1954.9	4058	9.5	192721.4	+1908.3
3790	8.1	184146.2	+1957.6	3880	7.0	185452.2	+1957.2	3970	9.3	191113.0	+1908.4	4059	9.5	192730.7	+1908.6
3791	9.5	184146.8	+1911.6	3881	9.5	185513.6	+1954.8	3971	9.0	191131.7	+1958.5	4060	9.3	192747.5	+1930.9
3792	9.1	184159.4	+1952.6	3882	9.4	185524.8	+1948.2	3972	8.0	191139.8	+1956.6	4061	8.7	192751.0	+1904.3
3793	9.5	184159.5	+1955.8	3883	9.0	185528.4	+1918.1	3973	9.2	191156.8	+1948.7	4062	9.5	192759.2	+1915.9
3794	9.3	184207.2	+1922.9	3884	9.5	185557.3	+1945.0	3974	9.2	191224.2	+1922.2	4063	5.8	192813.3	+1927.6
3795	9.5	184210.6	+1917.7	3885	9.3	185622.9	+1947.8	3975	30.0	191227.2	+1920.8	4064	9.5	192824.2	+1957.6
3796	8.0	184222.6	+1938.7	3886	8.5	185628.4	+1932.3	3976	8.0	191306.3	+1927.5	4065	9.5	192824.7	+1910.9
3797	9.1	184228.6	+1948.7	3887	9.3	185633.0	+1954.8	3977	9.5	191327.6	+1911.4	4066	8.3	192829.1	+1944.2
3798	6.1	184233.9	+1910.5	3888	9.0	185633.5	+1927.4	3978	8.6	191340.3	+1907.4	4067	8.4	192829.1	+1955.2
3799	8.8	184234.3	+1918.3	3889	9.5	185654.8	+1902.1	3979	9.4	191344.5	+1919.8	4068	9.5	192832.4	+1928.9
3800	9.5	184249.9	+1900.5	3890	9.3	185705.2	+1916.2	3980	9.3	191346.6	+1944.8	4069	9.2	192838.3	+1901.6
3801	9.3	184258.3	+1952.8	3891	9.3	185734.3	+1918.6	3981	8.3	191409.8	+1911.8	4070	9.3	192841.1	+1928.4
3802	8.5	184303.6	+1933.4	3892	5.2	185744.0	+1958.5	3982	9.1	191412.7	+1923.4	4071	9.5	192904.4	+1902.9
3803	9.5	184320.4	+1918.5	3893	9.5	185744.0	+1921.1	3983	9.5	191415.1	+1943.6	4072	9.5	192915.2	+1901.1
3804	9.5	184320.9	+1954.2	3894	9.5	185746.0	+1914.7	3984	9.3	191425.6	+1926.9	4073	8.8	192922.1	+1928.3
3805	9.4	184329.8	+1900.6	3895	8.8	185746.4	+1946.6	3985	9.5	191449.5	+1941.6	4074	9.5	192923.8	+1939.3
3806	9.1	184411.2	+1952.0	3896	9.5	185758.7	+1914.0	3986	9.5	191452.9	+1923.2	4075	9.0	192940.1	+1942.8
3807	9.4	184421.4	+1907.0	3897	9.3	185803.7	+1913.1	3987	9.0	191502.7	+1931.3	4076	9.5	192956.5	+1930.6
3808	9.0	184423.9	+1943.9	3898	9.5	185808.9	+1953.0	3988	9.5	191503.6	+1933.4	4077	9.0	192958.3	+1919.3
3809	9.5	184432.7	+1900.9	3899	9.5	185814.9	+1942.4	3989	9.0	191504.6	+1933.3	4078	9.2	193006.8	+1943.2
3810	9.3	184436.4	+1951.8	3900	9.5	185826.6	+1910.8	3990	9.4	191509.8	+1920.4	4079	9.5	193016.9	+1949.3
3811	8.8	184446.0	+1913.5	3901	7.3	185835.1	+1903.3	3991	8.0	191515.7	+1932.8	4080	8.1	193026.7	+1908.3
3812	9.3	184536.8	+1900.9	3902	9.4	185850.1	+1929.6	3992	9.4	191537.3	+1903.5	4081	8.7	193033.2	+1908.5
3813	9.5	184549.1	+1901.0	3903	9.3	185852.8	+1905.3	3993	9.5	191558.0	+1949.6	4082	9.5	193033.3	+1949.6
3814	9.5	184558.0	+1949.7	3904	9.1	185909.0	+1951.2	3994	9.5	191614.2	+1909.0	4083	9.5	193038.8	+1916.2
3815	9.4	184606.3	+1901.9	3905	8.8	185910.0	+1948.2	3995	9.1	191619.8	+1954.7	4084	9.0	193043.0	+1957.6
3816	9.5	184608.0	+1940.7	3906	9.5	185934.6	+1921.1	3996	7.6	191650.7	+1906.2	4085	9.5	193053.7	+1915.1
3817	9.2	184611.7	+1900.1	3907	8.5	185953.4	+1930.1	3997	7.1	191653.9	+1959.8	4086	9.3	193053.9	+1906.9
3818	9.4	184620.9	+1902.3	3908	9.5	185955.6	+1943.1	3998	9.2	191708.5	+1905.2	4087	9.5	193110.7	+1959.8
3819	9.5	184621.5	+1914.9	3909	9.3	190003.1	+1910.7	3999	9.4	191710.2	+1908.0	4088	9.5	193126.5	+1945.6
3820	9.3	184626.0	+1936.8	3910	9.0	190004.9	+1900.7	4000	6.5	191728.3	+1959.1	4089	8.9	193130.6	+1938.6
3821	9.5	184626.9	+1949.2	3911	8.9	190024.2	+1904.9	4001	9.4	191741.5	+1911.1	4090	7.9	193130.6	+1902.1
3822	9.5	184627.3	+1939.8	3912	9.5	190034.8	+1956.9	4002	9.3	191804.0	+1955.4	4091	9.4	193159.2	+1912.8
3823	9.3	184637.6	+1933.2	3913	9.5	190048.3	+1902.2	4003	9.5	191820.3	+1930.4	4092	8.1	193201.5	+1932.2
3824	9.5	184639.5	+1927.9	3914	9.3	190058.0	+1959.2	4004	7.2	191824.1	+1939.4	4093	9.4	193206.0	+1906.8
3825	9.5	184656.9	+1950.4	3915	9.1	190059.5	+1950.3	4005	8.9	191838.4	+1931.2	4094	9.5	193218.2	+1951.0
3826	9.5	184659.2	+1938.6	3916	9.5	190102.6	+1937.1	4006	9.4	191847.2	+1900.8	4095	9.5	193221.5	+1947.7
3827	9.0	184715.5	+1905.0	3917	9.5	190108.0	+1934.6	4007	8.8	191853.1	+1922.9	4096	9.5	193226.1	+1958.2
3828	9.5	184723.9	+1947.3	3918	8.9	190126.8	+1926.6	4008	9.3	191901.5	+1957.3	4097	8.8	193231.5	+1928.5
3829	9.5	184729.6	+1943.2	3919	7.3	190131.9	+1938.1	4009	6.6	191904.2	+1959.9	4098	9.4	193235.9	+1931.7
3830	9.4	184736.3	+1911.9	3920	8.9	190139.7	+1931.7	4010	5.0	191907.5	+1930.9	4099	9.4	193238.0	+1941.4
3831	9.5	184738.1	+1950.0	3921	9.4	190149.9	+1903.9	4011	9.5	191907.7	+1903.6	4100	9.5	193245.8	+1901.5
3832	9.3	184743.9	+1928.8	3922	9.5	190200.3	+1926.7	4012	9.1	191920.5	+1910.6	4101	9.1	193247.0	+1918.9
3833	9.0	184752.1	+1907.4	3923	8.7	190202.4	+1959.1	4013	9.2	191927.5	+1956.2	4102	9.0	193250.0	+1920.1
3834	9.0														

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+19 4480 20h33m

4480	9.5	203327.5	+1955.8	4570	9.5	204935.9	+1905.4	4660	9.4	210750.5	+1902.6	4750	8.0	213044.5	+1942.9
4481	9.3	203336.0	+1909.4	4571	9.5	204946.8	+1946.0	4661	9.0	210755.1	+1959.2	4751	9.5	213148.2	+1918.7
4482	9.5	203350.9	+1946.0	4572	9.3	204955.4	+1919.3	4662	8.0	210831.7	+1914.9	4752	9.5	213158.2	+1918.3
4483	9.5	203406.9	+1951.5	4573	9.5	204958.5	+1938.0	4663	9.5	210839.4	+1925.3	4753	9.5	213211.0	+1900.3
4484	6.5	203412.5	+1924.4	4574	8.0	205032.8	+1905.4	4664	9.5	210851.2	+1939.2	4754	6.0	213216.7	+1937.5
4485	9.5	203444.0	+1951.5	4575	9.5	205043.2	+1901.0	4665	9.5	210851.2	+1912.8	4755	7.8	213221.0	+1956.7
4486	9.5	203446.2	+1937.9	4576	7.8	205050.0	+1935.9	4666	7.2	210912.5	+1906.3	4756	9.3	213225.2	+1929.3
4487	9.5	203511.8	+1951.3	4577	9.2	205053.0	+1909.8	4667	9.5	210945.2	+1947.3	4757	9.0	213250.6	+1945.7
4488	9.5	203530.2	+1943.4	4578	9.5	205053.9	+1914.0	4668	9.5	210953.2	+1905.8	4758	9.5	213314.7	+1914.2
4489	7.3	203536.9	+1920.7	4579	9.5	205105.0	+1913.4	4669	9.3	211009.2	+1937.7	4759	9.3	213319.2	+1949.8
4490	7.3	203537.6	+1906.6	4580	8.3	205114.0	+1940.4	4670	9.0	211025.6	+1956.9	4760	9.5	213422.0	+1937.0
4491	9.5	203540.9	+1905.0	4581	9.4	205129.2	+1936.0	4671	9.0	211028.2	+1941.5	4761	9.5	213425.9	+1923.7
4492	9.5	203633.6	+1900.8	4582	9.1	205129.7	+1926.4	4672	9.5	211041.7	+1905.4	4762	9.4	213436.7	+1934.8
4493	9.5	203654.9	+1931.3	4583	9.3	205131.9	+1908.8	4673	7.3	211102.2	+1924.5	4763	9.5	213513.2	+1915.6
4494	7.0	203656.9	+1921.7	4584	9.5	205153.0	+1903.7	4674	7.8	211104.0	+1953.7	4764	9.5	213521.2	+1914.2
4495	8.0	203704.9	+1913.4	4585	8.9	205153.9	+1950.1	4675	9.5	211126.4	+1944.5	4765	9.5	213547.2	+1919.4
4496	9.5	203707.0	+1959.0	4586	8.8	205218.5	+1929.9	4676	9.4	211154.4	+1913.5	4766	9.4	213617.3	+1958.5
4497	8.7	203711.1	+1940.9	4587	9.5	205255.8	+1908.9	4677	9.5	211210.3	+1903.0	4767	9.5	213634.2	+1925.3
4498	9.5	203714.0	+1953.5	4588	8.9	205304.5	+1941.0	4678	9.5	211215.2	+1916.3	4768	9.5	213703.2	+1910.3
4499	9.5	203747.0	+1915.2	4589	8.4	205312.9	+1930.3	4679	8.8	211233.6	+1904.1	4769	8.8	213709.1	+1915.8
4500	8.0	203813.6	+1911.1	4590	7.3	205334.8	+1923.3	4680	9.5	211247.5	+1924.6	4770	9.5	213721.2	+1901.5
4501	6.8	203815.5	+1958.3	4591	9.5	205351.0	+1943.0	4681	9.5	211257.2	+1922.1	4771	9.5	213734.7	+1914.2
4502	9.5	203841.9	+1925.0	4592	9.5	205403.8	+1902.2	4682	9.0	211310.2	+1928.1	4772	9.5	213803.2	+1903.8
4503	9.5	203905.2	+1957.3	4593	9.5	205406.3	+1921.4	4683	9.4	211321.7	+1928.0	4773	9.0	213809.6	+1931.1
4504	9.2	203905.5	+1928.8	4594	9.5	205410.6	+1953.6	4684	9.1	211325.7	+1904.5	4774	9.5	213817.7	+1915.6
4505	9.3	203926.2	+1909.3	4595	9.5	205424.1	+1917.6	4685	9.4	211339.3	+1900.1	4775	9.5	213834.0	+1946.7
4506	9.5	204002.5	+1927.5	4596	9.5	205450.2	+1957.8	4686	8.0	211356.8	+1913.8	4776	9.4	213848.7	+1955.6
4507	8.2	204011.7	+1935.8	4597	9.3	205500.1	+1951.2	4687	9.5	211439.6	+1903.7	4777	9.3	213857.0	+1948.1
4508	9.4	204017.5	+1936.2	4598	9.3	205512.8	+1923.0	4688	9.5	211451.7	+1928.0	4778	9.3	213859.7	+1920.7
4509	9.4	204018.4	+1952.0	4599	9.3	205518.0	+1905.3	4689	9.3	211502.2	+1949.8	4779	9.4	213902.0	+1925.7
4510	9.5	204027.2	+1926.2	4600	9.5	205524.7	+1931.5	4690	9.2	211500.9	+1911.6	4780	8.7	213921.7	+1921.8
4511	9.4	204031.4	+1917.1	4601	9.1	205535.9	+1919.3	4691	4.4	211523.7	+1910.6	4781	9.5	213955.2	+1932.5
4512	9.5	204033.2	+1921.8	4602	9.0	205536.5	+1909.5	4692	8.4	211535.5	+1923.6	4782	9.5	214002.1	+1959.7
4513	9.4	204042.5	+1902.0	4603	9.5	205554.5	+1958.4	4693	9.2	211647.7	+1915.9	4783	9.3	214004.7	+1949.8
4514	9.2	204051.0	+1947.7	4604	9.4	205602.7	+1915.9	4694	9.5	211656.0	+1953.9	4784	7.8	214005.7	+1914.9
4515	9.3	204119.5	+1952.6	4605	9.0	205604.7	+1951.1	4695	9.5	211656.9	+1908.0	4785	9.5	214005.8	+1904.2
4516	9.2	204120.2	+1929.3	4606	9.2	205622.7	+1905.6	4696	9.0	211703.2	+1938.6	4786	9.4	214007.7	+1909.0
4517	9.5	204121.1	+1938.9	4607	9.5	205632.1	+1958.1	4697	9.5	211728.4	+1923.4	4787	9.5	214052.7	+1945.3
4518	9.5	204136.2	+1912.8	4608	9.4	205638.5	+1912.1	4698	9.5	211728.6	+1927.1	4788	9.0	214137.5	+1917.7
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4520	9.5	204208.2	+1947.2	4610	9.5	205723.6	+1906.4	4700	9.5	211744.7	+1924.1	4790	8.6	214201.2	+1950.0
4521	8.5	204209.5	+1919.0	4611	9.5	205741.3	+1901.3	4701	9.0	211750.5	+1938.0	4791	9.2	214227.4	+1908.2
4522	9.5	204221.9	+1943.2	4612	9.5	205812.7	+1932.8	4702	9.5	211752.5	+1912.3	4792	9.5	214235.7	+1905.4
4523	9.0	204228.1	+1916.6	4613	9.2	205814.2	+1918.7	4703	9.5	211803.2	+1949.8	4793	6.5	214240.2	+1948.3
4524	9.1	204236.6	+1948.5	4614	9.5	205815.0	+1921.0	4704	9.4	211800.0	+1911.7	4794	9.2	214255.2	+1957.0
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4529	9.5	204404.2	+1945.8	4619	9.5	205945.7	+1941.5	4709	9.0	212100.2	+1918.7	4799	9.5	214511.8	+1917.4
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4537	8.0	204512.8	+1939.0	4627	9.5	210141.3	+1911.6	4717	9.4	212230.7	+1947.7	4807	9.5	214603.6	+1920.5
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4539	9.5	204521.3	+1908.8	4629	9.5	210213.7	+1908.7	4719	9.2	212332.6	+1907.5	4809	7.0	214651.5	+1943.1
4540	9.0	204528.3	+1915.9	4630	9.5	210235.5	+1954.9	4720	9.1	212351.1	+1959.9	4810	8.8	214700.2	+1945.3
4541	8.9	204537.1	+1912.3	4631	9.5	210245.0	+1951.5	4721	9.5	212357.4	+1949.5	4811	9.3	214711.2	+1909.4
4542	8.6	204544.9	+1914.9	4632	9.5	210300.7	+1941.4	4722	9.2	212400.2	+1908.7	4812	9.0	214715.3	+1915.6
4543	9.4	204547.1	+1957.8	4633	9.5	210304.6	+1900.6	4723	9.5	212414.2	+1906.2	4813	9.5	214728.3	+1950.6
4544	7.3	204548.1	+1935.4	4634	9.5	210307.2	+1918.0	4724	9.0	212422.7	+1914.1	4814	6.9	214728.9	+1901.8
4545	9.5	204552.1	+1956.5	4635	9.0	210311.2	+1936.6	4725	8.5	212430.7	+1939.7	4815	7.4	214735.2	+1947.7
4546	9.5	204605.2	+1917.8	4636	9.4	210334.1	+1956.5	4726	9.4	212500.8	+1926.0	4816	9.4	214748.7	+1937.7
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5198	9.5	235652.9	+1931.0	77	9.5	02744.8	+1848.9	167	9.5	10828.8	+1842.3	257	9.5	15152.6	+1811.7
5199	9.5	235703.9	+1923.3	78	9.5	02752.1	+1843.4	168	8.8	10833.0	+1802.0	258	8.8	15234.4	+1830.1
5200	9.5	235706.9	+1914.7	79	8.8	02803.4	+1815.6	169	9.5	10856.4	+1859.9	259	9.5	15335.8	+1853.3
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5202	9.3	235733.4	+1952.3	81	9.3	02944.3	+1846.5	171	8.8	11014.8	+1802.7	261	8.5	15423.7	+1841.6
5203	9.3	235753.7	+1909.9	82	9.5	03010.9	+1834.1	172	9.0	11101.8	+1831.1	262	9.5	15458.0	+1856.2
5204	9.5	235755.9	+1927.1	83	9.0	03017.2	+1805.0	173	9.5	11105.6	+1802.3	263	8.8	15458.0	+1821.7
5205	9.3	235826.8	+1907.4	84	9.5	03036.6	+1827.1	174	9.0	11301.9	+1852.5	264	9.5	15500.8	+1846.2
5206	9.5	235829.2	+1957.9	85	7.8	03045.5	+1854.3	175	9.5	11332.8	+1818.2	265	8.7	15547.0	+1836.2
5207	9.5	235848.9	+1914.3	86	9.0	03058.4	+1813.9	176	8.3	11338.8	+1815.5	266	9.5	15628.6	+1812.8
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5209	9.5	235931.8	+1900.0	88	9.4	03137.8	+1858.0	178	9.5	11354.6	+1805.7	268	8.9	15707.6	+1818.8
5210	8.0	235947.7	+1944.1	89	9.5	03220.0	+1801.6	179	9.4	11421.4	+1819.6	269	9.3	15807.7	+1818.5
5211	9.4	235953.6	+1903.7	90	9.1	03226.9	+1900.2	180	9.5	11448.6	+1853.6	270	9.2	15833.3	+1854.4
1	9.5	00138.6	+1818.3	91	9.5	03254.1	+1853.2	181	9.0	11616.3	+1821.3	271	9.2	15854.9	+1853.6
2	9.2	00139.2	+1807.2	92	9.5	03328.5	+1809.8	182	9.5	11627.9	+1809.8	272	9.1	15930.5	+1859.0
3	7.8	00158.4	+1818.4	93	8.3	03340.0	+1835.7	183	9.5	11659.4	+1803.0	273	9.4	20004.1	+1847.1
4	7.8	00204.3	+1844.2	94	9.2	03350.2	+1809.4	184	8.8	11703.3	+1818.5	274	9.5	20011.8	+1831.5
5	8.4	00219.9	+1835.4	95	9.5	03413.6	+1857.2	185	9.5	11710.4	+1839.4	275	9.1	20011.9	+1840.2
6	9.5	00305.1	+1859.3	96	9.1	03619.5	+1842.7	186	9.5	11738.3	+1814.1	276	9.5	20027.7	+1801.0
7	9.5	00347.2	+1836.0	97	9.5	03625.9	+1857.6	187	5.3	11827.1	+1825.1	277	6.0	20236.1	+1845.0
8	9.5	00347.3	+1806.7	98	9.3	03653.7	+1839.1	188	9.0	11842.2	+1832.5	278	9.4	20245.6	+1852.2
9	9.1	00403.4	+1852.0	99	9.4	03805.3	+1835.0	189	5.5	11853.1	+1829.0	279	9.1	20319.2	+1853.3
10	9.5	00407.1	+1816.8	100	9.2	03851.5	+1805.9	190	9.5	11919.0	+1859.8	280	9.5	20403.6	+1823.1
11	8.2	00407.8	+1805.8	101	6.3	03935.0	+1848.0	191	9.5	11930.3	+1836.6	281	9.1	20407.6	+1816.6
12	8.9	00510.5	+1858.1	102	9.3	03944.8	+1810.8	192	9.3	11953.2	+1810.7	282	9.4	20547.1	+1841.4
13	9.5	00549.3	+1835.9	103	7.5	03956.2	+1806.6	193	9.1	12007.4	+1814.0	283	7.2	20549.7	+1856.1
14	8.9	00549.4	+1843.0	104	9.3	03959.3	+1852.2	194	9.5	12029.8	+1850.6	284	8.5	20639.6	+1823.9
15	9.4	00550.3	+1816.7	105	9.4	04028.3	+1821.4	195	9.5	12056.9	+1806.9	285	9.0	20654.8	+1807.3
16	9.0	00734.1	+1815.4	106	8.5	04029.5	+1840.8	196	9.5	12128.4	+1834.5	286	9.5	20718.3	+1843.3
17	9.5	00737.5	+1848.2	107	9.3	04154.3	+1805.7	197	9.5	12141.9	+1832.0	287	8.8	20719.0	+1809.1
18	9.1	00739.9	+1817.7	108	9.5	04228.5	+1813.6	198	9.0	12208.7	+1856.6	288	9.5	20903.6	+1849.8
19	8.9	00809.8	+1805.1	109	9.5	04229.0	+1808.0	199	9.1	12240.3	+1835.9	289	8.8	20951.5	+1859.7
20	9.2	00817.1	+1845.1	110	9.5	04239.0	+1840.4	200	8.8	12308.2	+1855.2	290	9.5	21041.1	+1856.0
21	9.5	00905.4	+1841.5	111	8.6	04337.5	+1801.1	201	9.5	12449.6	+1808.6	291	9.4	21048.3	+1835.2
22	9.5	00938.0	+1841.3	112	9.5	04431.9	+1831.2	202	8.8	12458.3	+1833.0	292	9.0	21248.6	+1811.8
23	9.0	00942.1	+1818.1	113	9.5	04502.2	+1835.2	203	8.4	12520.0	+1844.8	293	9.1	21316.4	+1858.4
24	9.5	00946.0	+1804.7	114	8.5	04507.6	+1809.8	204	9.0	12524.1	+1851.1	294	9.3	21337.5	+1814.0
25	9.3	00954.5	+1826.7	115	9.2	04531.2	+1821.8	205	9.3	12549.1	+1807.5	295	9.5	21340.0	+1830.3
26	9.0	01048.5	+1808.6	116	7.5	04536.7	+1858.8	206	8.5	12600.4	+1840.8	296	9.5	21344.5	+1812.1
27	8.6	01049.6	+1836.0	117	8.5	04548.5	+1818.2	207	8.7	12604.0	+1800.9	297	8.9	21437.1	+1824.6
28	8.2	01106.0	+1851.7	118	9.0	04555.0	+1824.1	208	9.5	12641.8	+1851.7	298	8.4	21526.9	+1858.2
29	9.3	01134.4	+1813.6	119	9.3	04603.4	+1826.2	209	9.1	12645.2	+1801.5	299	9.5	21528.1	+1849.1
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37	9.3	01533.0	+1810.0	127	9.0	04732.0	+1808.5	217	9.5	13129.6	+1855.4	307	9.5	21913.0	+1859.1
38	8.8	01621.5	+1851.0	128	9.5	04926.5	+1856.5	218	9.5	13143.8	+1855.0	308	9.4	21940.0	+1801.6
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54	9.5	02131.7	+1804.7	144	9.5	05728.3	+1851.6	234	9.1	13839.7	+1822.1	324	9.5	22511.5	+1816.6
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+18 346 2h38m

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+18 704 4h37m

+18 1062 5h53m

704	9.3	43702.2	+1814.8	793	9.3	50419.8	+1843.1	883	9.4	52644.6	+1843.6	973	7.9	54054.2	+1834.1
705	9.1	43704.5	+1845.3	794	9.4	50423.6	+1820.5	884	9.3	52707.7	+1840.6	974	9.4	54055.5	+1848.8
706	9.2	43705.0	+1841.6	795	9.3	50436.3	+1819.0	885	9.5	52714.9	+1849.5	975	9.3	54056.5	+1859.8
707	9.5	43708.4	+1858.0	796	9.5	50452.0	+1821.4	886	9.5	52715.1	+1813.3	976	9.4	54059.5	+1856.7
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758	9.5	44741.3	+1859.3	848	9.5	51728.0	+1826.3	938	7.8	53546.3	+1847.1	1028	9.3	54817.6	+1858.1
759	9.5	44823.3	+1850.2	849	8.6	51732.1	+1859.6	939	8.5	53552.4	+1827.3	1029	9.4	54822.7	+1837.2
760	9.4	44825.1	+1810.5	850	9.5	51744.8	+1854.2	940	9.5	53553.8	+1824.1	1030	9.2	54824.7	+1807.4
761	9.5	44911.0	+1842.6	851	9.5	51748.7	+1845.7	941	9.5	53557.6	+1829.7	1031	9.0	54829.1	+1820.6
762	9.3	44922.3	+1842.8	852	9.5	51830.6	+1817.5	942	9.4	53602.3	+1801.1	1032	9.2	54835.9	+1806.4
763	9.1	44934.7	+1849.9	853	8.8	51852.3	+1835.5	943	9.4	53604.4	+1825.1	1033	9.2	54852.4	+1820.6
764	9.5	44946.8	+1828.8	854	9.2	51859.0	+1844.2	944	9.4	53613.2	+1824.1	1034	9.4	54858.9	+1859.7
765	8.8	44952.3	+1846.3	855	8.7	51900.1	+1822.2	945	9.5	53621.8	+1854.9	1035	9.2	54902.9	+1825.0
766	9.3	45014.5	+1824.6	856	9.2	51909.7	+1836.9	946	8.9	53622.5	+1840.2	1036	8.6	54911.9	+1857.1
767	9.4	45034.7	+1826.5	857	9.1	51940.8	+1830.6	947	9.4	53636.6	+1851.3	1037	9.3	54912.4	+1839.2
768	9.5	45043.6	+1843.5	858	9.5	52012.0	+1849.6	948	9.4	53639.3	+1820.3	1038	9.2	54922.0	+1848.0
769	9.0	45112.5	+1834.5	859	9.4	52018.2	+1810.2	949	9.3	53640.0	+1848.3	1039	9.2	55001.3	+1851.0
770	9.4	45149.2	+1845.0	860	9.5	52018.8	+1827.6	950	7.5	53642.1	+1838.1	1040	7.5	55023.4	+1848.9
771	9.1	45317.1	+1833.0	861	9.4	52035.7	+1839.7	951	9.1	53653.3	+1839.7	1041	8.9	55023.4	+1827.9
772	9.5	45343.8	+1841.0	862	7.0	52050.8	+1814.8	952	9.4	53704.2	+1853.5	1042	8.3	55023.9	+1857.7
773	9.5	45434.5	+1848.5	863	7.9	52121.3	+1817.6	953	9.5	53705.0	+1855.3	1043	9.0	55036.9	+1848.2
774	9.3	45516.3	+1829.4	864	7.9	52122.3	+1818.9	954	9.5	53706.4	+1854.7	1044	8.9	55045.8	+1802.4
775	9.5	45543.4	+1853.1	865	9.5	52139.5	+1836.1	955	8.4	53710.3	+1834.6	1045	9.0	55048.9	+1832.5
776	9.3	45621.8	+1801.1	866	8.9	52146.1	+1838.0	956	9.3	53713.7	+1815.9	1046	8.0	55100.8	+1850.7
777	7.9	45623.3	+1803.2	867	9.0	52236.3	+1826.5	957	8.2	53719.2	+1843.8	1047	9.0	55102.5	+1831.3
778	9.5	45658.8	+1859.6	868	9.2	52242.7	+1856.9	958	9.5	53721.3	+1856.3	1048	9.5	55117.7	+1816.5
779	5.2	45853.0	+1827.4	869	8.9	52									

+18 1063 5h54m

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+18 1422 6h49m

+18 1423 6h49m

+18 1782 7h47m

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1424	9.5	64930.2	+1826.3	1514	9.5	70156.0	+1848.1	1604	9.5	71630.0	+1858.4	1694	9.1	72958.3	+1836.0
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1428	9.0	65008.6	+1804.2	1518	8.8	70242.0	+1849.6	1608	9.4	71709.4	+1801.0	1698	9.5	73033.8	+1800.5
1429	9.5	65011.6	+1847.1	1519	9.5	70250.2	+1812.0	1609	9.5	71717.2	+1801.0	1699	9.0	73051.3	+1842.9
1430	9.5	65012.3	+1836.3	1520	9.4	70308.9	+1824.9	1610	7.0	71729.0	+1826.0	1700	9.5	73057.0	+1859.5
1431	8.5	65019.5	+1802.0	1521	9.5	70320.4	+1802.3	1611	9.5	71752.8	+1833.8	1701	5.4	73108.1	+1800.3
1432	9.2	65020.4	+1858.7	1522	9.5	70320.4	+1814.3	1612	9.4	71740.5	+1859.9	1702	9.5	73126.8	+1836.3
1433	9.5	65030.8	+1845.6	1523	9.3	70325.8	+1821.3	1613	9.5	71748.8	+1821.5	1703	9.2	73151.2	+1842.3
1434	9.5	65037.0	+1832.2	1524	8.5	70352.7	+1853.5	1614	9.5	71754.6	+1835.1	1704	8.7	73203.0	+1855.2
1435	8.5	65041.7	+1854.8	1525	9.1	70415.5	+1816.9	1615	9.5	71758.0	+1832.7	1705	9.5	73209.7	+1848.1
1436	9.3	65043.2	+1838.5	1526	9.5	70419.5	+1818.3	1616	8.0	71800.4	+1848.1	1706	9.5	73227.8	+1846.6
1437	9.0	65043.7	+1855.0	1527	9.5	70432.8	+1828.4	1617	9.0	71800.8	+1825.9	1707	9.3	73245.3	+1823.6
1438	9.5	65048.9	+1819.5	1528	8.5	70520.9	+1811.5	1618	8.5	71805.5	+1848.7	1708	9.1	73254.4	+1824.3
1439	9.5	65052.3	+1828.1	1529	9.0	70524.0	+1800.4	1619	9.4	71808.8	+1804.4	1709	9.3	73256.8	+1847.0
1440	9.0	65054.0	+1801.3	1530	9.5	70539.0	+1844.1	1620	8.3	71836.5	+1810.7	1710	8.4	73259.2	+1833.0
1441	9.0	65150.4	+1851.8	1531	9.5	70546.0	+1850.6	1621	9.5	71901.8	+1836.8	1711	8.4	73304.8	+1824.2
1442	9.5	65201.9	+1858.6	1532	9.1	70548.3	+1815.8	1622	9.5	71903.3	+1831.7	1712	9.5	73308.3	+1854.3
1443	9.0	65207.3	+1821.8	1533	9.4	70548.3	+1800.7	1623	9.5	71915.8	+1806.4	1713	8.3	73318.3	+1823.2
1444	9.5	65226.2	+1822.9	1534	9.4	70553.5	+1852.4	1624	9.5	71929.7	+1814.0	1714	9.5	73347.4	+1837.0
1445	8.9	65229.4	+1808.2	1535	9.3	70608.0	+1806.0	1625	9.2	71943.3	+1815.6	1715	9.1	73405.4	+1821.5
1446	9.5	65244.7	+1837.5	1536	9.5	70611.8	+1826.1	1626	9.5	72002.8	+1812.5	1716	9.4	73412.3	+1825.6
1447	9.5	65259.4	+1804.1	1537	9.4	70618.4	+1829.4	1627	9.5	72007.8	+1804.3	1717	8.6	73412.7	+1802.2
1448	9.3	65306.2	+1835.3	1538	8.1	70623.7	+1848.4	1628	9.5	72031.4	+1835.2	1718	9.4	73434.0	+1855.4
1449	9.4	65311.3	+1835.2	1539	9.5	70641.2	+1855.8	1629	9.3	72036.3	+1845.7	1719	9.5	73448.3	+1831.6
1450	9.4	65318.0	+1811.8	1540	9.0	70646.9	+1814.7	1630	9.5	72037.7	+1838.0	1720	9.0	73452.2	+1819.0
1451	7.5	65318.6	+1810.6	1541	9.5	70648.0	+1839.4	1631	8.7	72059.7	+1806.1	1721	9.5	73452.3	+1808.3
1452	8.8	65343.5	+1810.7	1542	9.4	70706.3	+1838.5	1632	9.5	72042.8	+1816.3	1722	9.5	73528.4	+1803.3
1453	9.3	65400.0	+1820.7	1543	9.4	70707.0	+1849.0	1633	9.2	72047.2	+1849.3	1723	8.8	73601.3	+1831.5
1454	9.5	65405.1	+1832.9	1544	9.2	70711.8	+1850.2	1634	9.2	72055.3	+1834.3	1724	8.7	73604.6	+1856.4
1455	8.8	65412.5	+1831.9	1545	9.5	70712.0	+1819.9	1635	9.2	72102.3	+1803.0	1725	9.5	73614.8	+1838.4
1456	9.0	65421.5	+1801.9	1546	8.9	70729.9	+1856.7	1636	8.8	72104.4	+1823.2	1726	9.5	73620.9	+1833.1
1457	8.8	65430.3	+1804.8	1547	9.4	70730.5	+1827.3	1637	9.5	72117.3	+1833.9	1727	8.7	73624.5	+1809.2
1458	9.5	65446.9	+1845.5	1548	9.5	70726.0	+1830.4	1638	9.5	72120.0	+1833.9	1728	9.5	73626.8	+1854.7
1459	8.6	65501.2	+1834.4	1549	9.5	70738.1	+1830.6	1639	9.5	72130.6	+1822.8	1729	8.8	73640.7	+1823.2
1460	9.5	65504.0	+1847.6	1550	9.5	70801.5	+1819.7	1640	8.0	72134.4	+1856.0	1730	9.4	73649.2	+1804.8
1461	9.5	65511.4	+1804.0	1551	9.5	70803.0	+1824.4	1641	8.5	72137.3	+1855.5	1731	9.5	73718.9	+1800.6
1462	9.5	65520.9	+1834.6	1552	9.5	70807.4	+1833.6	1642	9.5	72143.8	+1813.5	1732	8.5	73742.3	+1830.6
1463	9.2	65531.6	+1823.3	1553	8.7	70850.3	+1836.8	1643	9.5	72201.3	+1854.7	1733	5.1	73744.5	+1851.9
1464	7.1	65540.8	+1852.8	1554	9.5	70850.7	+1856.7	1644	9.5	72213.3	+1800.5	1734	9.5	73758.1	+1857.8
1465	9.5	65542.0	+1812.2	1555	9.5	70857.9	+1842.5	1645	9.5	72241.7	+1850.8	1735	9.4	73801.6	+1849.6
1466	9.5	65554.6	+1819.2	1556	8.8	70903.8	+1818.9	1646	9.5	72244.2	+1858.5	1736	9.5	73802.5	+1826.4
1467	8.3	65555.1	+1816.5	1557	9.5	70911.0	+1848.6	1647	9.5	72256.1	+1837.9	1737	9.5	73831.1	+1803.5
1468	9.4	65601.9	+1819.9	1558	9.4	70912.8	+1826.1	1648	9.5	72301.4	+1802.2	1738	9.3	73831.2	+1803.8
1469	8.6	65608.0	+1856.6	1559	9.5	70919.6	+1827.0	1649	9.5	72320.6	+1854.7	1739	9.5	73836.2	+1836.7
1470	9.4	65612.5	+1823.5	1560	9.5	70921.9	+1837.4	1650	9.1	72335.3	+1824.2	1740	9.5	73908.6	+1817.2
1471	9.5	65616.0	+1853.9	1561	9.5	70943.8	+1819.5	1651	8.4	72358.0	+1810.5	1741	9.0	73910.8	+1811.8
1472	9.4	65618.0	+1808.1	1562	9.5	70956.1	+1809.0	1652	9.5	72400.8	+1848.1	1742	9.5	73942.6	+1842.1
1473	8.8	65620.8	+1823.7	1563	9.0	71007.3	+1809.6	1653	8.1	72401.5	+1840.2	1743	9.5	73944.9	+1830.5
1474	9.5	65626.2	+1800.3	1564	8.6	71008.5	+1808.1	1654	9.1	72419.3	+1812.8	1744	8.0	74000.4	+1841.6
1475	9.5	65640.7	+1828.6	1565	9.5	71011.9	+1829.4	1655	9.1	72422.8	+1815.2	1745	8.0	74032.4	+1832.7
1476	9.5	65646.6	+1826.5	1566	9.4	71014.5	+1813.5	1656	9.1	72425.7	+1823.5	1746	9.2	74044.2	+1821.9
1477	9.3	65723.2	+1806.1	1567	9.5	71020.0	+1826.9	1657	9.5	72444.0	+1843.0	1747	9.5	74051.5	+1810.0
1478	9.5	65732.0	+1806.1	1568	9.5	71025.5	+1824.5	1658	9.5	72507.8	+1856.8	1748	9.5	74053.9	+1840.4
1479	9.5	65736.1	+1851.3	1569	8.8	71030.9	+1850.2	1659	9.0	72509.1	+1831.3	1749	9.5	74106.8	+1826.7
1480	9.5	65739.9	+1847.1	1570	9.5	71043.4	+1830.7	1660	9.5	72519.6	+1845.5	1750	9.5	74119.6	+1856.2
1481	9.3	65749.8	+1855.9	1571	8.9	71053.6	+1830.1	1661	8.5	72523.4	+1837.1	1751	9.5	74127.3	+1824.2
1482	9.1	65757.3	+1816.5	1572	9.5	71104.4	+1803.5	1662	9.5	72600.8	+1822.2	1752	8.8	74147.8	+1835.0
1483	9.5	65811.9	+1825.9	1573	9.4	71104.9	+1853.0	1663	9.5	72604.0	+1825.8	1753	8.8	74154.2	+1803.1
1484	9.5	65819.2	+1819.1	1574	9.5	71108.0	+1847.5	1664	9.5	72613.4	+1828.6	1754	9.4	74236.8	+1826.5
1485	8.6	65837.0	+1839.0	1575	9.5	71142.2	+1849.9	1665	9.4	72615.3	+1842.9	1755	9.5	74244.3	+1857.6
1486	9.5	65856.0	+1833.3	1576	8.9	71155.4	+1846.8	1666	9.2	72621.6	+1810.8	1756	9.1	74248.8	+1811.1
1487	9.5	65859.8	+1846.3	1577	8.2	71207.2	+1808.4	1667	9.4	72628.9	+1806.7	1757	9.0	74249.6	+1819.8
1488	8.8	65902.2	+1833.0	1578	8.6	71216.4	+1808.6	1668	9.3	72632.0	+1801.7	1758	9.5	74258.0	+1802.8
1489	9.2	65904.1	+1809.2	1579	9.1	71218.9	+1813.0	1669	9.5	72637.0	+1853.6	1759	9.3	74320.7	+1853.1
1490	9.5	65911.4	+1830.1	1580	9.5	71231.7	+1840.5	1670	9.0	72650.4	+1810.1	1760	9.5	74327.4	+1816.6
1491	9.5	65924.8	+1812.6	1581	9.5	71244.0	+1825.6	1671	8.5	72655.3	+1837.0	1761	9.5	74330.5	+1841.4
1492	9.5	65935.5	+1848.5	1582	9.5	71251.7	+1857.5	1672	9.5	72708.3	+1849.4	1762	9.5	74339.3	+1845.4
1493	9.4	65945.2	+1821.6	1583	9.3	71312.4	+1818.0	1673	8.8	72722.1	+1838.0	1763	9.5	74341.6	+1805.5
1494	9.0	65945.6	+1805.5	1584	8.6	71338.7	+1811.7	1674	9.1	72723.1	+1824.7	1764	9.5	74354.8	+1859.1
1495	9.2	65949.5	+1813.4	1585	9.3	71343.2	+1810.0	1675	9.5	72732.0	+1859.9	1765	9.5	74406.8	+1816.3
1496	9.4	65956.1	+1830.3	1586	9.5	71347.2	+1825.2	1676	9.1	72735.1	+1825.7	1766	9.2	74447.3	+1803.9
1497	9.2	65959.6	+1818.4	1587	9.5	71402.0	+1835.9	1677	9.5	72738.2	+1850.9	1767			

+18 1783 7h47m

+18 2139 9h04m

1783	9.5	74726.2	+1820.1	1783	9.0	80424.8	+1827.7	1963	6.0	82318.6	+1834.6	2052	9.5	84152.6	+1855.9
1784	9.2	74742.8	+1842.1	1784	9.5	80444.0	+1806.7	1964	9.4	82331.0	+1850.2	2053	9.4	84203.6	+1823.2
1785	9.5	74743.7	+1843.5	1785	8.8	80449.3	+1824.5	1965	9.1	82340.8	+1819.5	2054	9.3	84209.8	+1843.5
1786	9.5	74755.7	+1857.1	1786	9.5	80503.9	+1835.5	1966	9.3	82342.3	+1843.5	2055	9.5	84218.2	+1807.3
1787	9.5	74802.6	+1833.0	1787	9.3	80516.0	+1817.6	1967	9.5	82351.1	+1826.7	2056	9.0	84225.7	+1812.5
1788	9.5	74814.3	+1309.0	1788	9.5	80517.4	+1807.5	1968	9.5	82358.3	+1844.9	2057	7.0	84228.6	+1832.5
1789	9.5	74818.2	+1838.1	1789	9.5	80519.6	+1857.1	1969	9.4	82402.2	+1822.0	2058	9.4	84241.9	+1802.2
1790	9.5	74819.5	+1828.8	1880	9.0	80543.5	+1810.2	1970	9.5	82405.3	+1857.2	2059	8.5	84244.4	+1833.9
1791	9.1	74827.3	+1819.8	1881	8.9	80548.3	+1826.1	1971	9.3	82406.4	+1824.7	2060	9.3	84304.8	+1825.4
1792	9.5	74846.3	+1851.9	1882	7.4	80553.6	+1806.5	1972	9.5	82458.6	+1850.5	2061	9.5	84312.1	+1856.5
1793	9.2	74850.9	+1833.3	1883	9.5	80558.6	+1824.6	1973	9.0	82526.4	+1807.6	2062	9.1	84312.1	+1837.9
1794	9.2	74859.4	+1843.9	1884	9.5	80601.5	+1829.5	1974	9.4	82531.9	+1818.2	2063	9.2	84314.1	+1847.3
1795	8.0	74910.2	+1829.8	1885	9.4	80616.8	+1824.4	1975	9.4	82533.2	+1850.2	2064	8.2	84318.2	+1816.7
1796	9.2	74929.0	+1827.7	1886	9.5	80622.0	+1806.8	1976	8.8	82545.7	+1817.8	2065	9.5	84346.0	+1826.9
1797	8.7	74933.8	+1817.0	1887	9.5	80626.3	+1810.5	1977	9.5	82550.7	+1826.3	2066	9.5	84356.0	+1821.4
1798	9.4	74934.7	+1831.5	1888	9.2	80638.3	+1830.0	1978	7.8	82607.2	+1852.4	2067	9.3	84410.0	+1827.3
1799	9.0	74939.9	+1804.1	1889	9.3	80652.7	+1856.8	1979	9.5	82629.1	+1815.3	2068	9.3	84412.6	+1834.9
1800	9.4	75022.8	+1846.7	1890	9.5	80702.4	+1828.9	1980	9.5	82643.9	+1854.0	2069	7.0	84422.4	+1843.9
1801	9.5	75024.5	+1845.0	1891	9.3	80715.7	+1834.9	1981	9.2	82709.2	+1854.4	2070	9.5	84453.9	+1842.5
1802	9.2	75040.6	+1842.7	1892	8.0	80722.3	+1800.7	1982	9.3	82716.9	+1838.6	2071	9.5	84457.5	+1804.3
1803	9.5	75044.8	+1822.2	1893	9.5	80727.7	+1847.5	1983	9.4	82720.4	+1804.2	2072	9.5	84501.3	+1813.3
1804	9.1	75051.2	+1851.2	1894	9.5	80731.4	+1838.9	1984	9.0	82724.2	+1823.5	2073	9.5	84525.7	+1841.6
1805	9.2	75056.9	+1807.2	1895	9.4	80739.3	+1823.0	1985	9.5	82738.6	+1806.9	2074	9.5	84539.0	+1801.0
1806	9.5	75104.6	+1857.2	1896	9.5	80751.0	+1850.4	1986	9.5	82743.1	+1858.5	2075	7.5	84539.6	+1805.3
1807	9.4	75108.6	+1850.0	1897	9.5	80801.3	+1834.0	1987	9.3	82748.9	+1847.6	2076	8.0	84541.9	+1846.6
1808	9.5	75114.2	+1826.2	1898	9.5	80809.3	+1849.8	1988	9.5	82749.5	+1814.7	2077	9.0	84550.2	+1813.8
1809	9.5	75116.7	+1847.9	1899	9.0	80830.9	+1808.4	1989	9.5	82820.2	+1826.7	2078	9.0	84606.7	+1820.4
1810	9.5	75130.3	+1832.6	1900	8.5	80835.4	+1831.9	1990	9.5	82822.5	+1809.2	2079	9.5	84655.3	+1840.1
1811	9.5	75136.3	+1812.5	1901	9.0	80838.8	+1822.8	1990a	9.7	82823.3	+1814.6	2080	9.1	84715.6	+1826.1
1812	9.5	75145.6	+1859.0	1902	9.5	80840.1	+1858.3	1991	8.8	82823.5	+1857.9	2081	9.5	84725.3	+1857.2
1813	9.5	75202.7	+1818.3	1903	9.4	80843.0	+1815.7	1992	9.5	82826.1	+1833.2	2082	8.5	84739.6	+1813.1
1814	9.4	75202.7	+1822.3	1904	9.2	80904.3	+1854.5	1993	9.5	82844.5	+1815.0	2083	9.2	84752.0	+1850.4
1815	9.5	75219.3	+1848.3	1905	9.2	80923.9	+1851.7	1994	9.5	82849.5	+1855.3	2084	9.4	84754.7	+1831.3
1816	7.2	75221.4	+1837.3	1906	9.5	81000.0	+1825.3	1995	9.1	82854.1	+1839.9	2085	9.5	84805.8	+1841.0
1817	9.5	75226.8	+1825.3	1907	9.5	81018.2	+1830.6	1996	9.5	82900.8	+1807.1	2086	9.5	84823.0	+1845.3
1818	9.5	75238.4	+1838.7	1908	9.5	81019.3	+1803.2	1997	9.5	82915.9	+1831.9	2087	8.0	84835.2	+1803.5
1819	8.7	75253.9	+1846.8	1909	8.5	81032.8	+1846.2	1998	9.4	82917.3	+1803.9	2088	9.3	84905.1	+1823.5
1820	9.2	75303.9	+1853.1	1910	9.2	81045.3	+1837.1	1999	9.4	82925.2	+1840.9	2089	9.5	84932.2	+1812.9
1821	9.5	75329.3	+1834.5	1911	9.5	81101.3	+1813.2	2000	9.4	82930.7	+1819.8	2090	6.8	85005.8	+1852.0
1822	9.5	75350.2	+1845.3	1912	9.5	81109.0	+1826.4	2001	9.5	82958.3	+1815.3	2091	9.5	85027.0	+1824.8
1823	9.4	75440.6	+1821.6	1913	9.5	81109.0	+1851.6	2002	9.5	83010.6	+1804.3	2092	9.0	85039.6	+1832.4
1824	9.5	75442.2	+1813.9	1914	9.5	81118.3	+1845.5	2003	9.5	83018.7	+1840.1	2093	7.0	85058.7	+1842.0
1825	9.5	75442.8	+1852.4	1915	9.4	81209.0	+1830.2	2004	8.5	83038.7	+1828.5	2094	9.0	85059.4	+1838.3
1826	9.4	75443.6	+1810.5	1916	9.5	81230.3	+1813.3	2005	9.5	83040.3	+1828.1	2095	9.5	85105.7	+1841.0
1827	9.5	75445.3	+1844.4	1917	8.7	81254.8	+1819.1	2006	9.4	83047.5	+1822.3	2096	9.2	85107.4	+1820.7
1828	9.5	75456.2	+1833.8	1918	9.5	81257.4	+1806.2	2007	9.5	83051.7	+1857.5	2097	9.1	85117.9	+1800.1
1829	9.3	75512.8	+1850.9	1919	9.5	81305.3	+1839.4	2008	9.5	83055.3	+1841.4	2098	9.5	85134.2	+1856.0
1830	9.3	75518.6	+1845.4	1920	9.5	81308.7	+1818.1	2009	9.4	83057.3	+1844.4	2099	9.4	85151.5	+1851.4
1831	8.0	75520.0	+1808.1	1921	9.1	81310.4	+1807.3	2010	9.5	83113.0	+1843.7	2100	9.5	85236.7	+1807.3
1832	9.5	75558.6	+1801.7	1922	9.5	81328.3	+1807.0	2011	9.5	83123.2	+1818.5	2101	9.5	85251.2	+1828.0
1833	9.2	75601.2	+1830.8	1923	8.2	81337.8	+1803.9	2012	9.3	83126.8	+1806.4	2102	9.5	85414.9	+1837.6
1834	9.5	75611.5	+1835.9	1924	9.5	81352.3	+1813.9	2013	9.0	83133.0	+1851.5	2103	8.3	85428.1	+1819.7
1835	9.5	75638.3	+1814.6	1925	9.0	81409.7	+1853.5	2014	9.5	83158.2	+1823.2	2104	9.4	85430.7	+1838.3
1836	9.3	75640.0	+1845.9	1926	8.4	81431.8	+1805.4	2015	9.5	83222.1	+1827.0	2105	9.0	85447.0	+1830.5
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1852	9.5	75947.2	+1833.1	1942	9.2	81809.6	+1818.3	2031	9.4	83656.0	+1806.9	2119	9.5	85807.6	+1851.1
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2491 9.4 111856.4 +1839.2
2492 9.5 111919.8 +1821.5
2493 9.5 111920.8 +1818.5
2494 9.5 111957.9 +1854.5
2495 9.0 112005.5 +1842.7
2496 9.3 112023.4 +1808.9
2497 9.5 112035.6 +1820.5
2498 9.5 112109.7 +1839.7
2499 9.3 112135.8 +1801.5

+18 2500 11h21m

+16 2859 14h10m

2500 9.5 112155.2 +1840.8	2590 8.3 121242.7 +1805.5	2680 9.3 125055.1 +1813.6	2770 9.5 133554.5 +1845.0
2501 8.9 112210.6 +1814.0	2591 9.5 121313.8 +1859.1	2681 8.1 125056.5 +1832.8	2771 9.5 133602.2 +1829.5
2502 9.5 112233.7 +1830.8	2592 4.5 121324.4 +1839.8	2682 4.8 125145.9 +1811.5	2772 9.5 133618.0 +1857.0
2503 9.5 112245.1 +1809.5	2593 9.3 121328.1 +1853.5	2683 9.5 125320.1 +1846.3	2773 9.8 133650.6 +1808.1
2504 9.5 112302.1 +1834.7	2594 9.0 121334.4 +1830.3	2684 9.3 125405.1 +1833.5	2774 9.4 133705.6 +1819.0
2505 7.4 112357.8 +1833.6	2595 8.5 121338.9 +1809.6	2685 9.5 125501.1 +1833.2	2775 9.5 133721.5 +1809.3
2506 8.1 112429.3 +1857.7	2596 9.5 121419.9 +1831.0	2686 9.5 125704.0 +1825.0	2776 9.2 133802.7 +1834.3
2507 7.5 112517.7 +1848.8	2597 9.3 121451.0 +1808.7	2687 9.3 125710.0 +1806.0	2777 9.0 133837.9 +1827.2
2508 9.5 112620.1 +1848.1	2598 9.3 121457.4 +1818.1	2688 9.5 125744.0 +1833.2	2778 9.5 133866.2 +1800.0
2509 9.5 112627.5 +1837.2	2599 9.5 121504.4 +1827.5	2689 9.5 125747.1 +1835.9	2779 9.5 133869.2 +1858.7
2510 7.5 112808.4 +1840.9	2600 9.3 121514.4 +1835.1	2690 9.5 125904.6 +1857.2	2780 9.5 133917.0 +1840.0
2511 9.5 112835.5 +1807.5	2601 9.5 121522.9 +1954.0	2691 9.0 130042.7 +1833.1	2781 9.5 133931.5 +1858.9
2512 9.5 112859.5 +1859.1	2602 8.6 121610.7 +1809.6	2692 9.0 130058.1 +1839.7	2782 4.6 134023.3 +1810.8
2513 9.5 112930.3 +1815.6	2603 9.5 121620.4 +1858.6	2693 9.5 130101.0 +1802.2	2783 9.5 134023.8 +1845.7
2514 7.7 113138.8 +1838.0	2604 9.2 121639.6 +1833.8	2694 9.5 130153.1 +1803.9	2784 8.2 134127.2 +1858.0
2515 8.2 113206.8 +1843.3	2605 9.3 121649.2 +1818.2	2695 9.1 130210.4 +1831.7	2785 9.5 134139.8 +1817.4
2516 9.5 113221.3 +1813.1	2606 8.0 121720.9 +1840.3	2696 8.7 130223.1 +1814.3	2786 8.3 134254.9 +1826.0
2517 8.7 113315.8 +1830.7	2607 9.2 121747.4 +1826.5	2697 5.0 130255.7 +1818.0	2787 8.3 134258.9 +1836.0
2518 9.5 113429.2 +1822.9	2608 9.5 121807.6 +1859.9	2698 9.5 130456.7 +1804.5	2788 8.7 134326.2 +1823.5
2519 9.5 113452.8 +1844.4	2609 9.5 121813.9 +1857.9	2699 9.0 130507.8 +1845.5	2789 9.5 134457.4 +1846.1
2520 9.5 113511.7 +1809.4	2610 9.1 122011.7 +1806.0	2700 7.8 130520.1 +1816.3	2790 9.5 134459.1 +1850.5
2521 9.1 113538.2 +1829.5	2611 7.0 122015.4 +1838.9	2701 20.0 130549.8 +1856.1	2791 9.2 134513.4 +1805.5
2522 9.3 113630.8 +1812.4	2612 9.4 122055.5 +1828.5	2702 9.1 130602.8 +1848.1	2792 9.3 134525.2 +1844.4
2523 9.5 113658.2 +1822.7	2613 9.0 122201.9 +1819.3	2703 9.1 130608.0 +1848.3	2793 8.6 134550.4 +1807.1
2524 9.5 113714.5 +1822.1	2614 7.5 122202.3 +1807.8	2704 9.5 130633.0 +1822.6	2794 9.3 134603.9 +1815.0
2525 9.4 113724.5 +1855.9	2615 9.5 122231.9 +1827.2	2705 9.5 130812.0 +1826.5	2795 6.5 134617.6 +1839.4
2526 8.8 113733.4 +1808.0	2616 8.5 122234.9 +1843.7	2706 9.5 130812.4 +1811.0	2796 9.0 134654.9 +1825.3
2527 9.5 113820.5 +1828.9	2617 7.3 122249.4 +1841.9	2707 8.5 130913.9 +1801.4	2797 9.0 134658.6 +1800.7
2528 9.5 113855.2 +1808.7	2618 9.5 122256.4 +1837.8	2708 7.5 130925.4 +1804.0	2798 9.0 134724.2 +1854.4
2529 9.0 113947.2 +1839.9	2619 9.5 122341.9 +1818.6	2709 9.2 130944.5 +1826.4	2799 8.5 134756.6 +1844.9
2530 9.5 114109.3 +1842.9	2620 9.4 122356.4 +1829.9	2710 7.7 131027.9 +1803.5	2800 9.5 134805.2 +1832.9
2531 9.1 114225.8 +1812.8	2621 8.9 122405.9 +1830.3	2711 9.3 131050.4 +1807.1	2801 9.5 134828.9 +1823.2
2532 8.8 114236.7 +1842.0	2622 8.5 122445.9 +1828.6	2712 9.5 131100.8 +1815.5	2802 8.8 134838.7 +1800.6
2533 9.5 114329.2 +1844.8	2623 9.5 122533.1 +1858.0	2713 9.3 131212.2 +1832.3	2803 6.9 134944.2 +1824.5
2534 9.5 114339.8 +1834.1	2624 9.2 122536.9 +1825.8	2714 9.2 131241.7 +1856.0	2804 7.8 135041.3 +1857.4
2535 9.5 114405.9 +1808.6	2625 9.5 122549.4 +1813.8	2715 9.5 131304.1 +1854.0	2805 9.1 135126.9 +1828.6
2536 9.5 114413.2 +1827.5	2626 9.4 122552.4 +1823.1	2716 7.3 131311.9 +1831.9	2806 9.3 135218.9 +1833.0
2537 9.5 114533.8 +1837.5	2627 9.4 122612.8 +1847.5	2717 7.7 131321.9 +1820.2	2807 9.1 135233.2 +1837.2
2538 9.5 114607.9 +1827.2	2628 9.5 122739.5 +1806.3	2718 9.2 131327.6 +1804.2	2808 9.3 135311.9 +1859.4
2539 7.5 114640.7 +1858.4	2629 9.3 122741.9 +1822.0	2719 9.3 131357.4 +1850.2	2809 9.1 135329.2 +1820.2
2540 9.4 114655.2 +1849.7	2630 9.5 122806.1 +1806.1	2720 9.3 131431.5 +1801.2	2810 9.5 135347.2 +1835.5
2541 8.6 114702.2 +1823.7	2631 9.4 122826.0 +1801.4	2721 8.8 131432.1 +1859.7	2811 9.5 135352.2 +1847.2
2542 8.6 114705.2 +1842.4	2632 9.5 122949.4 +1840.6	2722 8.2 131445.2 +1830.5	2812 9.3 135354.6 +1805.5
2543 9.3 114819.9 +1857.9	2633 9.5 123018.4 +1837.2	2723 9.2 131516.2 +1834.7	2813 6.8 135441.3 +1822.9
2544 9.3 114957.2 +1812.6	2634 9.5 123029.5 +1809.1	2724 9.5 131526.2 +1827.1	2814 9.3 135554.1 +1807.1
2545 9.1 115008.5 +1831.0	2635 9.5 123109.2 +1854.3	2725 8.4 131549.5 +1831.5	2815 8.2 135558.2 +1847.0
2546 6.5 115015.9 +1816.6	2636 9.2 123140.2 +1856.2	2726 7.6 131621.9 +1802.9	2816 9.0 135630.9 +1827.7
2547 9.3 115048.5 +1847.8	2637 8.9 123145.9 +1814.8	2727 8.0 131633.9 +1804.0	2817 9.5 135630.9 +1859.1
2548 9.5 115137.1 +1812.4	2638 9.5 123214.6 +1816.2	2728 8.7 131642.7 +1857.9	2818 9.3 135810.6 +1828.2
2549 9.3 115138.4 +1809.6	2639 9.5 123231.9 +1845.4	2729 9.5 131745.9 +1801.7	2819 9.5 135812.1 +1802.8
2550 9.2 115151.1 +1838.6	2640 9.5 123233.4 +1827.5	2730 9.5 131813.5 +1809.2	2820 9.3 135821.2 +1846.8
2551 9.4 115206.8 +1842.4	2641 9.5 123332.9 +1854.0	2731 9.5 131827.5 +1802.3	2821 9.5 135931.5 +1851.4
2552 8.3 115207.7 +1857.7	2642 9.0 123348.2 +1855.2	2732 9.3 131830.9 +1830.2	2822 8.7 135906.0 +1857.7
2553 9.3 115215.2 +1848.9	2643 9.5 123406.7 +1808.7	2733 9.5 131841.7 +1858.3	2823 9.5 135928.5 +1805.9
2554 9.5 115217.8 +1841.3	2644 9.5 123412.0 +1809.8	2734 9.5 131918.9 +1820.2	2824 7.0 135942.2 +1836.4
2555 9.4 115229.9 +1807.8	2645 9.5 123414.2 +1811.3	2735 9.5 131919.3 +1809.2	2825 9.5 135958.2 +1810.5
2556 9.5 115230.5 +1825.5	2646 9.5 123423.1 +1816.2	2736 9.0 131943.2 +1823.6	2826 9.4 140042.2 +1894.6
2557 8.7 115240.1 +1844.0	2647 9.5 123436.4 +1820.3	2737 9.5 132045.2 +1818.5	2827 9.1 140050.1 +1825.6
2558 9.5 115330.8 +1808.7	2648 9.2 123447.7 +1809.4	2738 9.5 132051.5 +1842.0	2828 9.5 140119.2 +1840.0
2559 9.5 115335.7 +1849.4	2649 9.5 123508.4 +1814.1	2739 9.0 132122.9 +1835.3	2829 9.4 140145.6 +1841.0
2560 9.5 115353.9 +1836.4	2650 9.3 123548.7 +1825.5	2740 9.4 132314.9 +1857.5	2830 7.3 140151.3 +1819.3
2561 9.5 115601.5 +1845.2	2651 9.4 123557.5 +1803.7	2741 9.5 132320.9 +1828.1	2831 8.3 140213.1 +1802.1
2562 9.5 115605.4 +1825.2	2652 9.2 123607.4 +1837.5	2742 9.3 132406.4 +1852.6	2832 9.3 140221.5 +1852.0
2563 9.1 115618.5 +1827.6	2653 9.5 123641.3 +1804.5	2743 8.3 132416.9 +1818.8	2833 9.5 140236.8 +1829.1
2564 8.2 115731.3 +1817.5	2654 9.5 123654.0 +1804.6	2744 9.3 132421.2 +1833.6	2834 8.4 140317.4 +1823.2
2565 9.1 115741.2 +1834.1	2655 8.0 123728.2 +1822.9	2745 9.5 132447.3 +1848.2	2835 9.5 140326.2 +1856.9
2566 7.0 115800.7 +1805.9	2656 9.5 123728.6 +1854.7	2746 9.5 132519.9 +1802.9	2836 8.8 140355.5 +1858.1
2567 9.5 115809.2 +1820.6	2657 9.2 123806.9 +1817.5	2747 9.3 132541.6 +1845.2	2837 9.5 140407.5 +1845.7
2568 8.0 115950.5 +1824.5	2658 9.3 123812.6 +1852.3	2748 9.5 132549.2 +1818.8	2838 9.3 140410.4 +1842.4
2569 8.8 120004.4 +1812.8	2659 9.0 123847.8 +1802.5	2749 9.4 132627.2 +1843.8	2839 9.4 140505.1 +1804.4
2570 8.5 120007.4 +1832.0	2660 9.5 123847.9 +1838.6	2750 9.5 132679.0 +1834.7	2840 9.5 140525.0 +1844.0
2571 9.5 120011.9 +1848.8	2661 9.5 123902.9 +1854.4	2751 8.1 132670.2 +1810.9	2841 9.5 140527.9 +1811.6
2572 9.5 120023.4 +1809.0	2662 9.4 123957.8 +1832.8	2752 9.5 132676.6 +1820.0	2842 9.5 140624.9 +1813.1
2573 9.5 120045.4 +1837.7	2663 8.3 124115.1 +1822.2	2753 8.7 132647.5 +1812.0	2843 9.5 140638.1 +1620.7
2574 9.5 120232.9 +1838.6	2664 9.0 124132.6 +1819.7	2754 9.2 132659.2 +1843.8	2844 9.0 140639.4 +1950.6
2575 9.5 120347.2 +1806.9	2665 9.0 124138.3 +1811.0	2755 9.3 132618.2 +1833.0	2845 9.4 140647.5 +1815.8
2576 9.4 120355.9 +1847.5	2666 9.0 124225.9 +1809.0	2756 9.4 132643.9 +1856.5	2846 9.1 140657.6 +1801.0
2577 9.5 120457.7 +1802.1	2667 9.1 124302.8 +1826.3	2757 9.1 132622.9 +1854.4	2847 9.5 140706.9 +1820.9
2578 9.1 120576.0 +1809.6	2668 8.5 124438.6 +1841.7	2758 9.5 132941.8 +1808.4	2848 7.6 140722.7 +1846.4
2579 9.5 120657.0 +1800.2	2669 9.5 124439.0 +1829.1	2759 9.1 133100.3 +1848.0	2849 8.6 140754.9 +1849.3
2580 9.5 120739.4 +1851.3	2670 9.4 124460.1 +1828.0	2760 9.3 133147.9 +1839.5	2850 9.5 140812.2 +1820.2
2581 9.5 120750.4 +1823.1	2671 9.3 124468.3 +1811.2	2761 9.3 133207.0 +1847.9	2851 8.5 140819.3 +1811.0
2582 9.5 120851.9 +1808.3	2672 9.5 124652.6 +1840.1	2762 8.3 133225.2 +1819.6	2852 9.0 140820.1 +1819.2
2583 9.2 120905.9 +1808.6	2673 9.0 124656.5 +1809.6	2763 9.4 133303.0 +1836.1	2853 9.5 140929.2 +1814.0
2584 9.5 120949.4 +1825.6	2674 9.5 124734.6 +1829.4	2764 9.3 133307.2 +1831.0	2854 8.2 140931.0 +1806.2
2585 9.5 121028.9 +1859.5	2675 9.2 124738.5 +1826.6	2765 9.5 133310.6 +1804.5	2855 9.4 140958.7 +1808.7
2586 9.5 121058.1 +1802.7	2676 9.5 124756.8 +1806.0	2766 8.2 133348.5 +1831.9	2856 9.4 141007.1 +1828.3
2587 8.3 121126.0 +1808.5	2677 9.2 124804.6 +1828.3	2767 9.5 133424.5 +1842.6	2857 9.5 141014.7 +1835.9
2588 9.3 121152.8 +1957.2	2678 9.3 124823.2 +1855.7	2768 9.1 133512.3 +1852.1	2858 9.5 141030.0 +1805.9
2589 8.0 121202.9 +1832.8	2679 9.5 125053.0 +1820.2	2769 9.3 133529.3 +1820.9	2859 8.5 141038.1 +1802.4

+18 2860 14h11m

2860	9.5	141112.4	+1826.9	2950	9.5	144636.4	+1809.7	3038	9.0	152656.6	+1848.2	3128	9.4	160351.2	+1836.7
2861	7.9	141153.8	+1801.7	2951	7.7	144642.0	+1850.2	3039	9.3	152743.9	+1832.8	3129	9.5	160409.3	+1817.5
2862	9.0	141246.6	+1813.4	2952	9.3	144656.7	+1809.0	3040	8.0	152804.8	+1843.2	3130	9.5	160410.1	+1805.4
2863	8.7	141401.1	+1809.2	2952a	8.0	144737.0	+1817.1	3041	9.5	152807.9	+1848.7	3131	9.5	160411.7	+1831.6
2864	9.2	141404.2	+1841.1	2953	9.5	144804.0	+1829.3	3042	9.0	152845.6	+1815.7	3132	7.7	160440.7	+1818.9
2865	9.5	141413.4	+1853.8	2954	9.5	144815.5	+1811.6	3043	9.0	152851.7	+1807.0	3133	9.2	160444.2	+1836.5
2866	9.5	141501.2	+1806.9	2955	8.0	144824.7	+1817.5	3044	6.0	152858.2	+1808.3	3134	9.3	160509.7	+1831.6
2867	9.5	141521.4	+1802.0	2956	9.5	145016.2	+1840.8	3045	9.5	152915.7	+1854.0	3135	9.5	160509.7	+1844.8
2868	9.5	141527.1	+1825.8	2957	9.1	145018.4	+1832.9	3046	9.5	152943.0	+1833.2	3136	9.5	160523.6	+1856.8
2869	9.5	141552.2	+1835.3	2958	9.5	145057.3	+1848.8	3047	9.1	153015.4	+1836.5	3137	9.5	160531.2	+1851.2
2870	8.0	141559.5	+1806.7	2959	9.5	145105.6	+1836.2	3048	9.5	153031.5	+1816.9	3138	8.5	160533.7	+1821.6
2871	9.5	141609.8	+1809.2	2960	9.5	145120.2	+1824.7	3049	9.3	153034.3	+1853.6	3139	8.5	160537.8	+1811.3
2872	9.3	141642.8	+1844.0	2961	9.1	145121.5	+1816.7	3050	9.5	153132.1	+1859.2	3140	9.4	160558.6	+1856.9
2873	9.5	141645.9	+1809.8	2962	9.5	145144.8	+1809.1	3051	9.5	153229.5	+1803.0	3141	9.5	160619.2	+1804.5
2874	8.8	141652.7	+1825.8	2963	8.8	145152.5	+1813.0	3052	9.5	153243.9	+1851.2	3142	9.5	160721.4	+1807.0
2875	9.5	141737.5	+1852.7	2964	9.4	145211.2	+1844.8	3053	9.1	153319.7	+1856.7	3143	8.0	160726.6	+1851.4
2876	9.5	141811.4	+1849.7	2965	9.1	145214.4	+1807.0	3054	9.0	153325.9	+1839.7	3144	9.1	160739.1	+1806.8
2877	9.0	141817.9	+1855.1	2966	9.0	145251.0	+1827.1	3055	9.5	153332.8	+1850.8	3145	9.5	160803.9	+1815.2
2878	8.8	141834.0	+1816.6	2967	8.0	145322.2	+1834.2	3056	9.5	153404.4	+1852.0	3146	9.5	160813.6	+1853.9
2879	9.1	141842.0	+1827.4	2968	9.5	145322.5	+1818.5	3057	9.2	153445.4	+1855.3	3147	9.3	160818.7	+1838.5
2880	8.5	141843.6	+1804.2	2969	9.1	145504.3	+1828.5	3058	9.1	153502.5	+1811.5	3148	7.5	160820.1	+1834.7
2881	9.5	141939.6	+1836.5	2970	9.5	145537.0	+1808.2	3059	6.0	153523.1	+1856.6	3149	9.3	160834.2	+1845.8
2882	9.3	142009.5	+1805.3	2971	9.5	145624.8	+1810.3	3060	7.3	153553.5	+1841.0	3150	9.5	160845.6	+1813.4
2883	9.5	142104.4	+828.8	2972	7.2	145633.1	+1833.3	3061	8.5	153629.1	+1837.3	3151	9.2	160858.3	+1858.9
2884	9.4	142140.6	+850.3	2973	9.5	145653.8	+1810.9	3062	9.5	153707.0	+1821.3	3152	9.4	160859.4	+1848.3
2885	9.5	142147.9	+1856.9	2974	9.5	145734.9	+1835.9	3063	9.5	153741.8	+1856.3	3153	8.5	160947.9	+1807.9
2886	9.5	142207.2	+1835.2	2975	9.1	145848.4	+1848.5	3064	9.0	153746.3	+1848.3	3154	9.2	160950.3	+1801.7
2887	9.5	142226.2	+1811.0	2976	9.0	150043.4	+1800.7	3065	9.2	153809.1	+1858.7	3155	8.0	161122.2	+1807.5
2888	6.8	142447.0	+1317.1	2977	8.3	150130.8	+1826.7	3066	9.5	153954.6	+1836.8	3156	9.4	161203.1	+1827.5
2889	9.2	142446.8	+1351.7	2978	9.4	150216.5	+1858.2	3067	9.5	154026.4	+1815.6	3157	9.5	161259.5	+1851.8
2890	9.3	142525.9	+1803.6	2979	9.3	150240.1	+1840.7	3068	9.1	154026.4	+1831.4	3158	8.9	161317.7	+1807.6
2891	9.1	142614.0	+1852.4	2980	8.7	150315.8	+1815.6	3069	9.4	154049.6	+1843.5	3159	9.3	161329.8	+1848.2
2892	9.4	142658.0	+1847.0	2981	9.5	150414.3	+1822.3	3070	9.5	154125.5	+1803.3	3160	9.5	161359.1	+1848.0
2893	9.4	142708.1	+1854.1	2982	9.5	150523.5	+1800.3	3071	9.5	154139.4	+1841.1	3161	9.5	161406.2	+1848.3
2894	9.3	142716.3	+1816.2	2983	8.9	150534.9	+1839.2	3072	9.0	154159.4	+1845.2	3162	9.5	161411.9	+1811.7
2895	9.5	142753.4	+1810.8	2984	9.5	150610.0	+1841.0	3073	8.9	154209.9	+1857.9	3163	8.5	161450.1	+1811.3
2896	9.3	142840.0	+1812.2	2985	9.4	150628.4	+1841.0	3074	4.0	154212.4	+1836.6	3164	9.5	161451.2	+1819.6
2897	9.5	142850.9	+1810.7	2986	9.5	150631.9	+1837.6	3075	9.5	154310.4	+1856.9	3165	9.0	161459.6	+1812.0
2898	9.2	142858.5	+1819.5	2987	9.5	150700.5	+1855.9	3076	9.3	154324.9	+1852.0	3166	9.5	161546.0	+1822.5
2899	9.3	142912.4	+1856.7	2988	9.5	150726.0	+1842.1	3077	8.7	154336.0	+1852.9	3167	9.2	161549.3	+1852.0
2900	9.5	142949.0	+1855.8	2989	9.2	150825.6	+1834.5	3078	9.4	154342.7	+1858.9	3168	9.5	161609.4	+1854.5
2901	9.3	142958.0	+1813.7	2990	9.5	150829.7	+1805.6	3079	9.5	154416.9	+1838.3	3169	9.5	161657.1	+1843.9
2902	8.8	143046.6	+1841.4	2991	9.5	150916.2	+1817.0	3080	9.5	154446.1	+1855.7	3170	9.5	161700.0	+1852.9
2903	9.4	143052.6	+1801.0	2992	9.5	150945.3	+1846.4	3081	9.5	154601.4	+1828.7	3171	9.5	161737.5	+1841.8
2904	9.2	143106.6	+1838.2	2993	9.3	151002.0	+1809.8	3082	8.8	154618.5	+1800.2	3172	9.4	161857.8	+1851.2
2905	9.3	143116.4	+1811.5	2994	9.5	151003.5	+1850.6	3083	9.5	154653.7	+1805.6	3173	8.8	161928.1	+1835.3
2906	6.1	143129.8	+1856.5	2995	9.3	151006.5	+1857.6	3084	8.0	154714.5	+1802.8	3174	9.4	161953.3	+1811.5
2907	9.5	143141.8	+1829.5	2996	9.5	151110.2	+1836.1	3085	9.0	154745.6	+1847.3	3175	8.1	162005.8	+1844.6
2908	9.1	143238.2	+1806.4	2997	9.5	151146.2	+1806.4	3086	9.5	154805.3	+1839.7	3176	9.0	162031.6	+1828.8
2909	8.9	143324.6	+1858.7	2998	9.3	151214.0	+1823.0	3087	8.8	154813.7	+1827.6	3177	8.8	162122.6	+1849.9
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3573 9.3 180312.2 +1800.3
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+18 3575 18h03m

+18 3576 18h03m

+18 3933 18h57m

3576	9.4	180350.8	+1824.0	3666	9.5	181736.0	+1834.3	3756	7.5	183125.8	+1819.1	3846	8.8	184505.0	+1820.9
3577	9.4	180354.7	+1827.4	3667	9.2	181802.2	+1804.7	3757	9.5	183149.5	+1830.0	3847	9.3	184509.0	+1844.4
3578	9.0	180356.9	+1814.6	3668	9.5	181817.8	+1859.7	3758	9.2	183154.0	+1845.7	3848	9.1	184517.2	+1805.4
3579	9.5	180412.7	+1846.9	3669	9.2	181820.2	+1830.9	3759	9.2	183155.4	+1823.0	3849	9.0	184559.5	+1808.3
3580	7.7	180414.8	+1816.2	3670	8.8	181824.3	+1848.9	3760	9.5	183156.9	+1854.5	3850	8.8	184609.3	+1829.7
3581	9.5	180416.6	+1855.9	3671	8.8	181830.7	+1810.9	3761	9.4	183203.2	+1857.3	3851	9.4	184623.5	+1806.8
3582	7.2	180423.5	+1828.5	3672	9.5	181831.0	+1808.9	3762	9.4	183220.6	+1807.8	3852	9.2	184630.3	+1802.2
3583	9.5	180423.8	+1842.9	3673	9.2	181839.1	+1807.0	3763	8.8	183221.3	+1818.5	3853	9.3	184635.2	+1822.9
3584	9.3	180447.9	+1845.7	3674	9.1	181845.3	+1824.4	3764	9.5	183223.5	+1838.9	3854	9.5	184639.3	+1849.5
3585	9.5	180509.9	+1836.5	3675	9.3	181857.5	+1810.1	3765	9.5	183224.8	+1830.1	3855	9.5	184645.3	+1833.0
3586	8.5	180512.3	+1817.9	3676	9.2	181907.2	+1854.8	3766	9.4	183234.4	+1848.6	3856	8.6	184648.6	+1810.5
3587	9.5	180525.1	+1801.1	3677	9.0	181911.9	+1854.6	3767	8.1	183243.2	+1833.9	3857	9.5	184654.5	+1842.9
3588	9.5	180528.9	+1801.2	3678	9.5	181915.4	+1812.8	3768	9.0	183252.7	+1846.6	3858	9.5	184702.4	+1845.4
3589	8.6	180554.7	+1805.8	3679	9.5	181915.6	+1833.5	3769	9.3	183305.9	+1810.4	3859	9.3	184709.9	+1802.5
3590	9.5	180623.0	+1844.9	3680	9.0	181931.2	+1804.6	3770	9.4	183307.9	+1812.1	3860	9.5	184712.0	+1828.4
3591	9.5	180629.3	+1847.8	3681	9.5	181939.8	+1833.6	3771	8.8	183310.8	+1854.8	3861	8.4	184712.8	+1849.9
3592	9.4	180634.9	+1841.7	3682	9.5	181947.5	+1822.9	3772	8.6	183312.4	+1827.7	3862	9.4	184732.2	+1859.5
3593	8.4	180644.1	+1838.5	3683	9.5	181949.4	+1828.9	3773	9.5	183341.1	+1823.2	3863	9.5	184746.1	+1815.3
3594	8.3	180737.7	+1812.3	3684	7.8	181956.5	+1847.2	3774	8.2	183356.5	+1808.1	3864	8.5	184747.6	+1808.6
3595	9.4	180742.0	+1858.0	3685	8.6	182006.0	+1854.5	3775	9.4	183458.2	+1829.8	3865	9.5	184800.7	+1833.4
3596	9.5	180746.2	+1822.4	3686	9.3	182007.4	+1828.2	3776	9.5	183522.9	+1855.8	3866	9.2	184802.3	+1800.2
3597	9.1	180750.6	+1812.1	3687	9.5	182009.5	+1831.4	3777	9.0	183533.0	+1847.8	3867	8.3	184807.8	+1825.7
3598	9.5	180755.0	+1830.9	3688	9.5	182015.5	+1811.5	3778	9.5	183536.3	+1801.0	3868	9.5	184822.1	+1846.9
3599	9.3	180812.7	+1843.3	3689	8.3	182042.0	+1815.3	3779	9.3	183555.1	+1833.7	3869	9.5	184825.8	+1842.1
3600	9.4	180827.4	+1841.2	3690	8.1	182045.2	+1855.6	3780	9.3	183631.5	+1807.7	3870	9.5	184851.6	+1803.1
3601	9.3	180827.8	+1850.2	3691	9.5	182059.3	+1816.1	3781	9.3	183633.4	+1831.6	3871	9.5	184857.0	+1823.3
3602	9.5	180832.4	+1843.8	3692	8.3	182100.6	+1810.4	3782	9.5	183634.4	+1842.6	3872	9.2	184911.2	+1808.7
3603	9.5	180833.2	+1808.7	3693	7.7	182104.1	+1838.8	3783	9.5	183636.7	+1844.7	3873	9.3	184911.5	+1832.6
3604	7.8	180837.0	+1825.9	3694	8.6	182109.8	+1856.5	3784	9.5	183642.0	+1826.5	3874	9.5	184925.0	+1829.7
3605	9.5	180845.3	+1801.9	3695	8.8	182120.5	+1831.0	3785	9.5	183653.1	+1811.2	3875	9.2	184937.9	+1834.7
3606	9.4	180856.6	+1826.9	3696	9.3	182134.4	+1807.5	3786	8.5	183657.5	+1838.6	3876	9.1	184938.2	+1844.7
3607	9.5	180905.2	+1855.1	3697	9.0	182137.7	+1803.3	3787	9.5	183659.6	+1848.0	3877	9.2	184942.8	+1838.9
3608	9.5	180917.4	+1802.2	3698	9.0	182146.8	+1807.4	3788	8.5	183714.5	+1845.0	3878	9.5	184948.3	+1815.6
3609	9.5	180926.6	+1854.6	3699	9.1	182207.5	+1801.8	3789	9.3	183718.7	+1809.0	3879	9.3	184950.4	+1837.5
3610	8.0	180951.5	+1852.2	3700	9.5	182225.4	+1851.7	3790	9.5	183727.0	+1838.2	3880	9.5	184950.6	+1826.9
3611	9.5	181006.0	+1840.9	3701	9.5	182229.6	+1821.1	3791	9.5	183736.3	+1826.7	3881	9.3	184955.3	+1836.6
3612	9.5	181008.3	+1829.4	3702	9.5	182233.3	+1808.8	3792	8.3	183742.4	+1831.0	3882	8.2	184956.6	+1811.1
3613	9.5	181009.6	+1823.8	3703	9.5	182239.6	+1854.7	3793	8.6	183749.8	+1844.8	3883	9.2	185003.2	+1812.0
3614	9.5	181010.7	+1815.6	3704	9.4	182258.4	+1803.1	3794	8.0	183751.0	+1803.2	3884	9.3	185024.6	+1857.2
3615	9.0	181029.2	+1808.6	3705	9.3	182303.9	+1857.8	3795	9.5	183817.8	+1804.7	3885	7.7	185058.0	+1839.7
3616	9.4	181043.3	+1849.8	3706	9.5	182333.8	+1835.8	3796	9.5	183818.1	+1819.2	3886	9.5	185101.0	+1841.7
3617	9.5	181052.9	+1825.2	3707	7.7	182342.6	+1829.8	3797	9.4	183818.4	+1812.4	3887	8.1	185102.9	+1824.5
3618	8.6	181053.0	+1858.8	3708	9.5	182430.5	+1835.2	3798	9.0	183819.9	+1837.0	3888	9.5	185104.7	+1806.6
3619	8.7	181059.7	+1803.9	3709	9.0	182450.5	+1812.9	3799	8.9	183821.0	+1843.6	3889	9.4	185108.0	+1824.0
3620	9.1	181110.9	+1832.9	3710	9.4	182455.9	+1858.8	3800	9.5	183822.1	+1838.4	3890	9.5	185119.2	+1804.9
3621	9.3	181113.2	+1812.7	3711	9.5	182458.9	+1808.7	3801	9.5	183827.5	+1857.3	3891	9.3	185122.0	+1825.9
3622	9.4	181114.6	+1847.6	3712	8.1	182515.6	+1801.0	3802	9.4	183832.5	+1844.3	3892	9.4	185128.1	+1804.6
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3624	9.5	181150.4	+1842.4	3714	9.0	182522.2	+1844.6	3804	9.5	183837.4	+1837.2	3894	8.0	185207.6	+1841.8
3625	9.2	181202.5	+1827.2	3715	9.5	182535.3	+1844.8	3805	9.5	183839.4	+1840.7	3895	9.5	185207.9	+1843.4
3626	8.0	181211.4	+1819.6	3716	9.5	182537.5	+1853.7	3806	8.4	183852.6	+1858.6	3896	8.3	185209.1	+1847.9
3627	8.8	181211.8	+1849.8	3717	9.3	182549.0	+1858.0	3807	8.9	183856.0	+1849.5	3897	9.3	185223.2	+1826.7
3628	9.5	181223.0	+1805.8	3718	9.5	182551.1	+1809.2	3808	9.4	183856.8	+1839.9	3898	9.5	185224.5	+1856.1
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3630	9.2	181235.3	+1826.0	3720	9.5	182616.9	+1811.3	3810	8.6	183904.1	+1802.3	3900	9.5	185236.6	+1804.2
3631	9.3	181236.2	+1857.5	3721	9.0	182620.3	+1840.0	3811	8.7	183917.5	+1847.2	3901	8.8	185240.7	+1859.4
3632	9.2	181253.8	+1844.6	3722	9.2	182621.0	+1846.4	3812	9.5	183920.4	+1853.8	3902	8.2	185254.1	+1829.9
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3639	9.4	181323.4	+1850.0	3729	9.6	182707.4	+1804.2	3819	9.0	184022.7	+1848.5	3909	7.5	185410.3	+1816.0
3640	9.4	181328.4	+1857.4	3730	8.5	182709.2	+1822.3	3820	9.5	184029.0	+1800.7	3910	9.5	185417.0	+1834.4
3641	9.5	181339.2	+1832.0	3731	9.1	182710.8	+1827.0	3821	9.5	184031.8	+1820.1	3911	9.5	185423.1	+1853.1
3642	8.8	181340.9	+1820.2	3732	9.5	182748.3	+1842.6	3822	9.4	184034.0	+1847.3	3912	9.4	185424.3	+1857.5
3643	9.5	181414.2	+1808.8	3733	9.5	182751.4	+1855.1	3823	4.1	184037.3	+1801.6	3913	9.1	185427.5	+1827.1
3644	9.5	181421.8	+1855.2	3734	7.0	182759.5	+1834.9	3824	9.4	184039.5	+1823.3	3913a	9.5	185446.0	+1857.8
3645	9.5	181423.3	+1830.3	3735	9.5	182804.4	+1812.6	3825	9.0	184125.8	+1856.9	3913b	9.5	185450.5	+1857.1
3646	9.5	181430.8	+1842.8	3736	9.5	182813.8	+1808.3	3826	9.1	184156.7	+1857.2	3914	9.5	185452.7	+1853.5
3647	9.5	181431.2	+1840.0	3737	8.5	182815.7	+1800.3	3827	9.5	184201.3	+1833.4	3915	8.7	185455.7	+1819.3
3648	9.4	181434.9	+1833.5	3738	9.1	182846.7	+1835.5	3828	9.3	184205.5	+1840.9	3916	9.2	185458.0	+1811.

+18 3934 18h57m

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+18 4294 19h48m

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4294	9.3	194800.2	+1859.5	4384	9.1	200026.1	+1806.9	4474	8.5	201537.7	+1853.7	4564	9.5	203216.5	+1856.4
4295	9.1	194809.0	+1817.3	4385	9.5	200103.7	+1855.7	4475	9.0	201544.9	+1843.4	4565	9.5	203217.9	+1839.4
4296	9.5	194816.1	+1856.2	4386	9.3	200109.4	+1814.4	4476	9.5	201550.5	+1838.7	4566	9.5	203228.5	+1857.5
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4299	8.8	194822.9	+1818.6	4389	9.3	200117.5	+1843.5	4479	9.5	201627.9	+1832.4	4569	8.8	203255.6	+1827.1
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4301	8.9	194838.3	+1855.3	4391	9.1	200127.9	+1850.2	4481	4.2	201703.9	+1813.7	4571	9.2	203257.9	+1844.9
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4304	9.5	194846.7	+1805.1	4394	9.5	200139.7	+1834.0	4484	9.5	201735.0	+1850.9	4574	9.5	203421.9	+1851.7
4305	9.5	194849.8	+1812.7	4395	8.2	200151.4	+1812.3	4485	8.8	201744.6	+1839.7	4575	9.5	203422.4	+1842.5
4306	9.5	194903.7	+1806.8	4396	9.4	200158.7	+1852.4	4486	8.7	201750.0	+1801.3	4576	9.1	203424.9	+1838.5
4307	9.2	194909.7	+1839.7	4397	9.5	200221.1	+1847.1	4487	9.1	201750.3	+1815.2	4577	9.5	203431.9	+1841.6
4308	9.5	194916.6	+1821.2	4398	8.8	200227.4	+1838.8	4488	8.2	201811.3	+1850.8	4578	9.4	203439.2	+1848.9
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4310	9.5	194923.9	+1830.8	4400	9.1	200237.5	+1835.8	4490	9.3	201821.9	+1851.1	4580	9.5	203502.1	+1835.6
4311	9.5	194924.5	+1845.4	4401	9.4	200242.0	+1817.6	4491	9.4	201833.8	+1849.9	4581	9.5	203509.0	+1855.4
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4318	9.5	195029.6	+1816.1	4408	9.5	200323.6	+1852.3	4498	9.4	202022.9	+1843.0	4588	9.5	203600.8	+1815.6
4319	9.3	195032.0	+1831.4	4409	9.5	200341.2	+1829.6	4499	8.2	202033.6	+1839.1	4589	9.1	203602.6	+1826.7
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4336	9.5	195206.2	+1826.5	4426	9.5	200635.1	+1819.2	4516	9.2	202341.3	+1825.0	4606	9.5	203901.9	+1818.4
4337	9.4	195209.3	+1819.7	4427	9.5	200650.0	+1811.0	4517	7.0	202342.6	+1856.5	4607	8.5	203904.2	+1802.5
4338	9.3	195211.7	+1824.1	4428	9.5	200652.4	+1848.8	4518	9.2	202344.6	+1850.1	4608	9.1	203905.1	+1836.3
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4340	9.0	195223.5	+1823.6	4430	9.4	200723.2	+1837.8	4520	9.5	202433.5	+1810.8	4610	9.0	203938.0	+1857.0
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4343	9.2	195300.2	+1853.8	4433	9.0	200807.7	+1843.3	4523	9.5	202445.4	+1836.4	4613	8.9	204009.9	+1827.0
4344	9.5	195315.5	+1816.9	4434	9.4	200821.1	+1843.3	4524	9.5	202502.0	+1814.0	4614	9.1	204033.0	+1855.5
4345	9.3	195336.3	+1826.6	4435	9.4	200829.4	+1857.8	4525	7.4	202534.6	+1808.4	4615	9.5	204015.6	+1812.0
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4350	9.5	195404.3	+1804.9	4440	9.4	200929.7	+1823.7	4530	9.5	202623.0	+1837.0	4620	9.5	204048.3	+1821.8
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1210	9.1	61214.6	+1726.9	1299	9.4	62605.1	+1729.2	1387	9.4	63731.1	+1707.5	1475	9.5	65329.2	+1723.2
1211	8.8	61223.9	+1724.9	1300	9.4	62616.2	+1710.0	1388	9.5	63744.7	+1731.7	1476	9.5	65340.7	+1713.9
1212	9.2	61234.2	+1714.3	1301	9.3	62629.1	+1722.1	1389	9.5	63748.3	+1705.2	1477	9.1	65352.0	+1709.1
1213	9.5	61243.3	+1739.7	1302	9.1	62629.4	+1707.3	1390	9.2	63759.4	+1732.7	1478	9.0	65353.0	+1749.6
1214	6.5	61258.2	+1749.9	1303	9.5	62700.7	+1705.5	1391	9.1	63807.8	+1730.2	1479	6.0	65359.1	+1757.1
1215	9.4	61301.1	+1708.5	1304	8.8	62720.0	+1709.1	1392	7.5	63842.7	+1716.1	1480	9.5	65407.3	+1757.9
1216	9.2	61302.0	+1722.1	1305	9.3	62723.3	+1726.2	1393	8.0	63850.6	+1704.8	1481	9.5	65438.8	+1711.1
1216a	9.5	61304.4	+1724.1	1306	7.7	62727.0	+1747.1	1394	9.5	63852.8	+1700.9	1482	9.5	65453.6	+1759.3
1217	9.4	61304.5	+1706.0	1307	8.0	62727.1	+1719.1	1394a	9.5	63858.0	+1708.7	1483	9.4	65502.5	+1704.1
1218	9.3	61325.2	+1742.2	1308	8.9	62730.7	+1758.5	1395	8.0	63858.1	+1707.0	1484	9.5	65530.9	+1704.7
1219	9.2	61343.3	+1753.4	1309	9.0	62734.4	+1759.9	1396	9.4	63911.0	+1742.8	1485	9.5	65538.0	+1754.7
1220	9.5	61353.3	+1759.1	1310	9.4	62736.2	+1735.6	1397	9.5	63937.5	+1719.8	1486	9.4	65548.0	+1702.3
1221	9.5	61353.4	+1739.5	1311	9.2	62742.4	+1749.5	1398	9.5	63941.3	+1748.2	1487	9.8	65549.0	+1755.5
1222	8.7	61353.8	+1712.9	1312	9.1	62756.1	+1732.8	1399	9.2	63947.6	+1707.2	1488	9.0	65611.9	+1715.6
1223	8.4	61420.5	+1752.4	1313	9.2	62800.0	+1714.8	1400	9.5	64018.8	+1702.5	1489	1.5	65627.4	+1754.3
1224	7.0	61422.6	+1738.2	1314	9.5	62814.2	+1723.3	1401	9.3	64024.1	+1713.4	1490	9.5	65656.2	+1733.3
1225	8.4	61454.6	+1727.3	1315	9.2	62815.5	+1730.2	1402	9.3	64025.0	+1749.9	1491	9.0	65728.0	+1739.4
1226	8.5	61506.5	+1742.8	1316	9.5	62826.3	+1724.8	1403	9.2	64025.8	+1732.9	1492	7.1	65752.2	+1757.5
1227	8.9	61507.6	+1707.5	1317	8.5	62828.7	+1712.6	1404	9.0	64037.0	+1734.7	1493	9.3	65818.2	+1738.4
1228	9.1	61514.9	+1758.4	1318	9.5	62833.5	+1740.1	1405	9.5	64038.2	+1745.1	1494	9.3	65819.0	+1734.5
1229	8.4	61520.9	+1757.4	1319	9.4	62846.5	+1735.3	1406	8.8	64043.7	+1714.8	1495	8.5	65848.4	+1704.2
1230	9.3	61522.7	+1722.2	1320	9.5	62851.7	+1740.2	1407	9.4	64135.5	+1713.1	1496	9.5	65854.0	+1712.5
1231	9.4	61527.6	+1721.6	1321	9.5	62905.4	+1705.1	1408	9.5	64140.0	+1710.5	1497	9.0	65907.0	+1748.2
1232	8.8	61529.3	+1706.5	1322	9.4	62908.4	+1701.7	1409	8.3	64140.2	+1745.1	1498	9.0	65915.7	+1714.6
1233	9.4	61543.5	+1755.8	1323	9.1	62917.0	+1742.5	1410	9.5	64143.4	+1706.3	1499	9.0	65920.0	+1715.1
1234	9.0	61632.7	+1751.2	1324	9.5	62920.0	+1748.6	1411	9.5	64150.1	+1732.9	1500	9.5	65926.7	+1753.9
1235	7.4	61641.0	+1704.2	1324a	9.5	62928.4	+1752.0	1412	9.5	64156.8	+1728.8	1501	9.4	65930.3	+1706.6
1236	9.5	61648.3	+1705.2	1325	9.2	62931.3	+1739.0	1413	9.5	64207.2	+1727.4	1502	9.0	65943.1	+1704.7
1237	8.9	61709.0	+1752.8	1326	8.9	62932.4	+1712.2	1414	9.5	64219.3	+1719.9	1503	8.5	65948.7	+1733.4
1238	9.2	61712.4	+1722.5	1327	9.0	62935.6	+1754.6	1415	9.5	64220.7	+1707.0	1504	8.2	70013.8	+1754.8
1239	9.5	61722.7	+1717.3	1328	9.5	62936.1	+1751.1	1416	9.5	64230.4	+1735.4	1505	7.3	70018.7	+1753.8
1240	9.4	61732.2	+1722.1	1329	9.5	63006.3	+1701.3	1417	9.5	64245.5	+1717.0	1506	7.9	70023.8	+1708.4
1241	8.6	61734.5	+1715.8	1330	9.5	63010.0	+1705.8	1418	9.3	64257.9	+1714.4	1507	9.5	70029.8	+1723.7
1242	9.5	61735.0	+1722.3	1331	9.2	63023.0	+1739.2	1419	9.5	64302.6	+1708.4	1508	9.0	70031.7	+1710.8
1243	9.1	61804.4	+1747.0	1332	9.5	63023.1	+1704.5	1420	8.7	64312.1	+1705.2	1509	8.9	70103.1	+1753.8
1244	8.8	61807.3	+1754.2	1333	8.6	63033.4	+1754.2	1421	9.4	64315.6	+1705.5	1510	9.3	70139.8	+1701.7
1245	9.5	61821.7	+1705.3	1334	9.5	63038.6	+1707.5	1422	8.3	64320.2	+1750.2	1511	9.5	70151.3	+1716.7
1246	9.5	61826.5	+1747.1	1335	9.5	63053.0	+1722.1	1423	9.2	64321.4	+1702.0	1512	9.3	70215.6	+1735.7
1247	8.2	61829.7	+1731.7	1336	9.1	63056.3	+1746.6	1424	9.5	64330.1	+1716.3	1513	9.0	70217.7	+1742.7
1248	9.2	61833.6	+1752.3	1337	9.3	63059.5	+1755.0	1425	9.5	64336.9	+1743.8	1514	9.5	70236.4	+1704.2
1249	9.4	61849.4	+1700.5	1338	8.4	63108.7	+1749.0	1426	9.5	64353.1	+1707.4	1515	9.4	70258.5	+1741.1
1250	9.3	61857.1	+1755.7	1339	8.7	63109.2	+1736.7	1427	9.5	64403.9	+1719.8	1516	9.0	70308.0	+1738.5
1251	9.5	61900.5	+1735.3	1340	9.5	63128.9	+1756.3	1428	9.5	64411.4	+1750.8				

*17 1533 7h08m

*17 1890 8h29m

1533	9.0	70836.5	+1734.7	1622	9.5	72831.8	+1702.3	1712	9.0	74913.5	+1751.0	1801	9.5	80620.0	+1737.0
1534	8.8	70848.0	+1755.5	1623	8.0	72847.4	+1713.3	1713	9.2	74920.2	+1756.6	1802	9.5	80627.0	+1749.9
1535	9.2	70903.7	+1746.0	1624	9.5	72849.9	+1733.8	1714	9.4	74929.6	+1724.1	1803	8.6	80630.2	+1702.5
1536	9.1	70907.0	+1739.6	1625	9.5	72918.0	+1731.7	1715	9.5	74935.1	+1701.0	1804	9.1	80642.3	+1718.0
1537	9.4	70944.3	+1750.5	1626	9.5	72941.8	+1740.1	1716	9.5	74939.2	+1755.3	1805	9.4	80648.4	+1725.8
1538	8.5	70959.1	+1714.6	1627	8.5	72944.9	+1723.8	1717	9.5	75010.2	+1723.8	1806	9.5	80657.8	+1734.1
1539	9.1	71005.3	+1755.3	1628	9.5	73002.7	+1711.3	1718	9.5	75010.7	+1715.2	1807	9.4	80817.5	+1733.1
1540	9.0	71027.7	+1731.6	1629	9.5	73025.2	+1731.1	1719	9.2	75012.6	+1744.8	1808	9.4	80824.4	+1736.5
1541	9.4	71049.5	+1709.4	1630	9.3	73105.0	+1749.0	1720	8.7	75022.0	+1707.3	1809	9.2	80834.0	+1755.7
1542	8.7	71111.4	+1745.1	1631	8.8	73115.4	+1746.2	1721	9.5	75037.6	+1724.3	1810	9.4	80850.2	+1745.9
1543	9.2	71130.2	+1733.3	1632	9.5	73225.0	+1738.7	1722	7.7	75101.8	+1712.8	1811	9.5	80852.0	+1740.0
1544	9.5	71136.5	+1739.6	1633	9.5	73237.2	+1726.1	1723	9.0	75102.3	+1722.1	1812	9.3	80916.1	+1751.7
1545	9.1	71145.7	+1747.5	1634	8.5	73245.2	+1712.4	1724	9.5	75118.5	+1757.3	1813	9.5	80946.3	+1743.1
1546	9.1	71149.7	+1701.2	1635	9.0	73255.1	+1741.7	1725	8.8	75126.6	+1731.1	1814	9.5	80953.0	+1737.3
1547	9.2	71154.8	+1728.1	1636	9.5	73304.3	+1759.3	1726	9.5	75141.1	+1751.3	1815	9.3	81002.6	+1703.9
1548	9.5	71159.4	+1753.1	1637	9.5	73312.7	+1755.1	1727	8.7	75149.2	+1727.0	1816	9.3	81005.3	+1701.9
1549	8.7	71212.3	+1741.3	1638	9.4	73339.1	+1713.6	1728	9.5	75152.4	+1716.8	1817	9.5	81033.1	+1743.1
1550	9.5	71230.2	+1757.5	1639	9.5	73345.5	+1712.7	1729	9.5	75206.1	+1708.8	1818	9.5	81056.6	+1742.6
1551	9.4	71232.8	+1727.4	1640	9.3	73352.3	+1703.3	1730	9.4	75223.2	+1749.9	1819	9.5	81112.7	+1759.5
1552	9.4	71239.2	+1714.3	1641	9.5	73401.1	+1744.5	1731	5.8	75228.0	+1743.1	1820	9.4	81156.7	+1727.1
1553	9.3	71300.0	+1742.4	1642	9.4	73404.5	+1735.9	1732	9.5	75301.6	+1712.9	1821	9.5	81218.7	+1703.2
1554	9.5	71307.5	+1746.5	1643	9.1	73406.2	+1728.5	1733	8.0	75305.6	+1721.4	1822	9.5	81232.1	+1707.8
1555	9.5	71308.2	+1708.0	1644	9.5	73408.5	+1715.1	1734	9.1	75309.2	+1749.7	1823	9.0	81233.3	+1724.5
1556	9.5	71338.0	+1754.8	1645	9.2	73424.0	+1757.0	1735	9.5	75318.6	+1742.5	1824	9.5	81236.3	+1740.3
1557	8.6	71349.8	+1701.6	1646	9.0	73427.1	+1745.2	1736	9.5	75326.1	+1739.0	1825	30.0	81328.0	+1745.2
1558	9.3	71355.7	+1735.5	1647	9.4	73427.8	+1734.4	1737	9.2	75333.6	+1725.9	1826	9.2	81338.6	+1759.7
1559	9.4	71401.0	+1707.0	1648	8.9	73428.5	+1703.7	1738	5.5	75334.8	+1735.9	1827	9.2	81452.0	+1716.9
1560	9.5	71412.8	+1739.6	1649	9.0	73429.0	+1758.9	1739	5.3	75348.1	+1734.2	1828	8.7	81458.0	+1720.9
1561	7.7	71443.2	+1741.3	1650	9.5	73516.6	+1714.1	1740	9.5	75349.3	+1746.3	1829	9.5	81458.7	+1738.0
1562	9.1	71456.5	+1721.6	1651	9.5	73526.2	+1758.4	1741	9.1	75404.0	+1704.7	1830	9.4	81502.8	+1756.1
1563	9.5	71509.8	+1707.0	1652	9.1	73539.6	+1729.4	1742	9.1	75413.1	+1712.8	1831	9.5	81540.7	+1755.2
1564	9.5	71512.0	+1713.9	1653	9.3	73541.4	+1726.6	1743	9.5	75431.2	+1736.6	1832	9.2	81542.0	+1735.5
1565	9.5	71520.5	+1734.0	1654	9.1	73548.9	+1751.0	1744	7.5	75510.9	+1715.6	1833	9.0	81553.3	+1740.6
1566	9.5	71614.9	+1755.2	1655	9.1	73555.3	+1722.8	1745	9.5	75511.5	+1702.9	1834	9.5	81604.0	+1744.6
1567	9.5	71635.2	+1716.3	1656	8.5	73615.7	+1749.9	1746	9.5	75534.2	+1720.1	1835	9.5	81614.7	+1755.3
1568	9.5	71656.1	+1726.4	1657	8.3	73621.0	+1720.1	1747	9.3	75534.6	+1725.9	1836	7.0	81630.3	+1739.7
1569	9.5	71658.8	+1712.9	1658	9.5	73631.6	+1749.2	1748	8.5	75539.5	+1702.5	1837	9.5	81636.0	+1747.3
1570	9.5	71722.5	+1705.6	1659	9.2	73636.5	+1731.5	1749	9.2	75617.9	+1752.8	1838	9.3	81638.4	+1753.6
1571	9.5	71726.1	+1745.5	1660	9.2	73644.0	+1721.8	1750	9.3	75653.2	+1727.8	1839	9.5	81640.0	+1742.7
1572	9.0	71738.0	+1714.9	1661	9.5	73716.0	+1708.0	1751	9.5	75707.7	+1720.0	1840	9.4	81656.0	+1716.7
1573	9.5	71745.9	+1702.0	1662	8.1	73756.1	+1722.1	1752	9.5	75721.8	+1724.2	1841	9.2	81713.0	+1729.2
1574	9.1	71752.0	+1755.7	1663	9.5	73759.2	+1755.1	1753	9.5	75733.1	+1751.0	1842	6.2	81737.7	+1732.1
1575	8.9	71755.5	+1706.4	1664	9.4	73805.4	+1707.4	1754	9.5	75744.5	+1746.6	1843	9.4	81745.6	+1700.9
1576	9.5	71859.2	+1712.0	1665	9.5	73805.7	+1700.4	1755	9.5	75746.2	+1757.9	1844	9.5	81753.3	+1745.8
1577	9.5	71901.3	+1751.9	1666	7.8	73820.8	+1700.3	1756	9.5	75801.4	+1736.9	1845	9.5	81809.0	+1737.1
1578	9.4	71956.9	+1707.6	1667	9.0	73903.1	+1755.5	1757	9.5	75812.8	+1743.5	1846	9.3	81825.9	+1708.9
1579	9.4	72002.2	+1707.8	1668	9.3	73909.5	+1717.0	1758	9.5	75827.4	+1749.8	1847	9.5	81858.1	+1707.1
1580	9.5	72004.3	+1740.1	1669	9.5	73913.7	+1742.8	1759	9.5	75836.7	+1738.4	1848	9.5	81904.3	+1708.6
1581	9.3	72007.5	+1714.2	1670	9.5	73920.4	+1706.4	1760	9.2	75840.3	+1716.4	1849	9.2	81927.2	+1749.3
1582	9.5	72025.3	+1751.5	1671	9.5	73928.2	+1744.8	1761	9.5	75852.4	+1756.6	1850	9.1	81930.0	+1755.4
1583	9.1	72026.8	+1744.1	1672	9.5	73930.7	+1749.1	1762	8.6	75852.7	+1744.5	1851	9.3	82007.0	+1758.0
1584	9.5	72043.6	+1720.9	1673	8.9	73931.0	+1704.5	1763	9.2	75901.0	+1735.9	1852	8.8	82012.7	+1719.6
1585	9.5	72110.3	+1759.0	1674	9.5	73957.7	+1729.1	1764	9.5	75906.1	+1723.9	1853	9.5	82013.8	+1743.1
1586	8.5	72111.2	+1709.9	1675	9.1	74002.0	+1722.1	1765	9.5	75908.6	+1702.0	1854	9.5	82100.3	+1712.9
1587	8.5	72123.0	+1740.0	1676	9.5	74013.4	+1717.6	1766	9.3	75940.1	+1717.2	1855	9.5	82134.1	+1700.1
1588	9.5	72143.7	+1755.0	1677	9.4	74101.5	+1726.6	1767	8.8	75952.1	+1749.7	1856	9.5	82140.3	+1715.4
1589	9.0	72204.3	+1714.5	1678	9.5	74107.1	+1746.2	1768	9.2	75958.0	+1711.1	1857	9.3	82201.8	+1708.8
1590M	9.5	72211.8	+1752.8	1679	9.5	74127.2	+1747.1	1769	9.5	80014.1	+1750.4	1858	9.4	82211.4	+1703.2
1591	9.5	72220.3	+1733.5	1680	9.5	74138.6	+1711.1	1770	9.4	80021.6	+1706.2	1859	9.3	82214.0	+1732.3
1592	9.5	72225.4	+1703.2	1681	9.3	74151.2	+1755.6	1771	9.0	80025.7	+1743.1	1860	9.5	82214.4	+1740.0
1593	9.5	72230.8	+1712.8	1682	8.7	74207.0	+1750.3	1772	9.5	80032.7	+1736.9	1861	9.3	82235.2	+1748.0
1594	9.5	72243.9	+1713.3	1683	9.2	74213.9	+1750.8	1773	9.2	80033.0	+1710.1	1862	9.5	82301.9	+1725.4
1595	9.0	72310.2	+1739.7	1684	8.1	74217.2	+1714.5	1774	9.4	80112.1	+1714.9	1863	9.3	82304.2	+1705.3
1596	6.2	72325.8	+1723.1	1685	9.1	74233.4	+1705.4	1775	9.2	80130.0	+1737.1	1864	8.0	82317.2	+1749.2
1597	9.5	72350.6	+1755.3	1686	9.3	74246.8	+1756.8	1776	8.0	80135.7	+1741.0	1865	9.0	82445.3	+1743.1
1598	9.0	72438.8	+1721.7	1687	9.5	74306.3	+1733.4	1777	9.3	80139.4	+1720.6	1866	9.5	82449.8	+1758.4
1599	9.0	72438.8	+1734.6	1688	9.5	74306.3	+1758.9	1778	7.5	80144.4	+1726.5	1867	9.3	82515.0	+1704.7
1600	9.0	72442.3	+1745.9	1689	9.5	74307.1	+1735.5	1779	8.9	80151.2	+1716.1	1868	9.4	82522.0	+1751.7
1601	9.0	72448.3	+1726.9	1690	9.5	74312.1	+1748.6	1780	9.5	80159.0	+1715.9	1869	9.3	82554.3	+1726.6
1602	9.5	72504.0	+1708.5	1691	9.5	74324.6	+1736.1	1781	9.5	80203.2	+1700.5	1870	9.3	82602.3	+1740.3
1603	9.5	72505.1	+1755.6	1692	9.5	74352.4	+1743.8	1782	9.5	80217.4	+1730.3	1871	8.3	82609.4	+1722.5
1604	9.0	72513.4	+1753.3	1693	9.1	74400.7	+1702.2	1783	9.4	80233.1	+1722.8	1872	9.5	82613.3	+1754.1
1605	9.5	72518.6	+1732.8	1694	9.5	74407.0	+1726.2	1784	9.5	80248.7	+1735.1	1873	9.5	82616.9	+1702.6
1606	9.5	72521.5	+1702.2	1695	8.8	74458.1	+1755.9	1785	9.5	80313.4	+1701.7	1874	9.0	82621.7	+1729.6
1607	9.4	72527.0	+1754.8												

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+17 2605 13h07m

+17 2606 13h07m

2606	9.2	130749.2	+1704.8	2696	9.4	135614.2	+1713.2	2786	8.7	144053.7	+1744.4	2876	9.5	152538.1	+1717.2
2607	9.5	130845.0	+1707.9	2697	9.5	135630.0	+1711.2	2787	9.0	144234.7	+1725.7	2877	9.3	152612.0	+1720.6
2608	9.5	130851.6	+1707.7	2698	8.8	135742.2	+1756.5	2788	9.2	144310.1	+1752.4	2878	9.5	152641.2	+1757.3
2609	9.5	130931.2	+1700.6	2699	8.3	135820.1	+1723.6	2789	9.5	144323.0	+1754.3	2879	9.5	152650.7	+1734.1
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2655	9.5	133246.5	+1739.9	2745	9.2	142357.7	+1709.6	2835	9.3	150719.3	+1719.6	2925	9.5	154549.7	+1733.5
2656	9.5	133250.0	+1747.8	2746	9.5	142403.1	+1709.5	2836	9.0	150728.8	+1757.0	2926	6.5	154622.9	+1750.7
2657	9.5	133338.1	+1703.0	2747	9.5	142421.1	+1723.0	2837	9.5	150744.1	+1751.7	2927	8.7	154626.1	+1704.2
2658	9.5	133407.1	+1708.0	2748	8.3	142424.4	+1742.6	2838	9.5	150758.7	+1710.5	2928	9.0	154646.2	+1742.4
2659	9.5	133439.5	+1752.8	2749	8.8	142449.1	+1744.0	2839	9.5	150803.3	+1756.5	2929	7.8	154736.0	+1725.8
2660	9.2	133523.4	+1725.8	2750	9.2	142520.8	+1759.4	2840	9.5	150803.2	+1727.9	2930	8.7	154817.9	+1739.3
2661	9.5	133829.5	+1732.0	2751	8.7	142520.5	+1727.8	2841	8.8	150913.2	+1701.5	2931	9.5	154823.6	+1743.1
2662	9.5	133833.4	+1732.0	2752	9.1	142530.7	+1757.0	2842	9.3	150941.2	+1739.3	2932	9.5	154837.8	+1723.0
2663	9.1	133938.1	+1707.9	2753	8.8	142554.2	+1704.2	2843	9.5	150945.1	+1720.0	2933	9.5	154904.1	+1752.2
2664	9.4	133842.5	+1757.4	2754	8.3	142542.0	+1711.6	2844	8.7	151026.7	+1736.2	2934	8.5	154907.5	+1727.6
2665	9.5	133851.5	+1742.4	2755	8.8	142624.2	+1748.5	2845	9.5	151120.3	+1701.5	2935	9.5	155026.2	+1725.8
2666	9.4	133900.7	+1752.8	2756	9.5	142728.2	+1726.0	2846	9.0	151122.4	+1745.0	2936	9.0	155029.0	+1752.0
2667	9.1	133915.1	+1712.6	2757	8.5	142801.2	+1704.1	2847	9.5	151126.2	+1727.5	2937	9.0	155034.0	+1716.0
2668	9.5	133945.6	+1704.5	2758	9.3	142839.2	+1714.7	2848	9.2	151137.8	+1748.8	2938	8.2	155041.8	+1736.5
2669	9.5	133947.3	+1736.2	2759	9.5	143018.3	+1753.3	2849	9.3	151226.2	+1727.2	2939	9.1	155052.6	+1708.9
2670	9.2	134034.3	+1739.2	2760	9.1	143051.9	+1749.9	2850	8.8	151329.4	+1746.2	2940	9.4	155126.0	+1744.7
2671	9.3	134052.7	+1758.7	2761	9.3	143054.7	+1722.8	2851	8.0	151342.8	+1704.5	2941	9.5	155143.1	+1709.4
2672	9.1	134343.2	+1744.8	2762	9.2	143100.7	+1753.3	2852	9.5	151406.1	+1744.2	2942	9.5	155143.7	+1740.4
2673	9.4	134350.5	+1719.7	2763	9.5	143120.7	+1715.7	2853	9.0	151423.2	+1710.3	2943	9.5	155211.4	+1759.6
2674	9.3	134359.1	+1718.3	2764	9.3	143217.2	+1713.2	2854	9.1	151503.7	+1734.1	2944	8.9	155222.0	+1751.1
2675	9.2	134448.4	+1759.3	2765	8.8	143220.7	+1739.1	2855	7.7	151514.7	+1701.3	2945	9.0	155313.1	+1745.9
2676	7.2	134536.0	+1726.0	2766	9.3	143230.7	+1751.0	2856	9.5	151556.0	+1706.3	2946	8.5	155317.0	+1747.9
2677	9.3	134648.1	+1710.8	2767	9.5	143306.7	+1757.1	2857	9.5	151627.2	+1720.6	2947	6.3	155340.5	+1735.1
2678	9.5	1													

*17 2966 16h01m

*17 3323 17h38m

2966	9.0	160134.0	+1736.6	3056	9.5	162936.0	+1752.9	3144	9.1	165558.5	+1722.1	3234	9.5	171754.5	+1732.1
2967	6.5	160214.7	+1736.6	3057	7.6	162939.4	+1746.6	3145	9.5	165606.4	+1726.4	3235	9.5	171816.4	+1721.8
2968	9.5	160218.8	+1728.2	3058	9.5	162953.5	+1753.2	3146	9.3	165614.7	+1753.9	3236	7.7	171830.3	+1705.3
2969	8.0	160234.2	+1746.1	3059	9.3	163004.4	+1736.7	3147	9.3	165624.7	+1735.6	3237	9.1	171900.4	+1756.0
2970	9.5	160254.0	+1716.0	3059a	9.6	163028.3	+1758.3	3148	9.4	165641.6	+1756.8	3238	9.5	171909.9	+1726.2
2971	9.5	160259.8	+1733.8	3060	9.5	163034.7	+1721.6	3149	8.8	165643.8	+1714.1	3239	9.5	171918.6	+1756.3
2972	8.5	160306.3	+1710.5	3061	9.4	163038.0	+1749.7	3150	8.4	165645.5	+1751.3	3240	8.8	171918.8	+1712.3
2973	9.4	160329.5	+1703.0	3062	9.2	163215.4	+1728.1	3151	8.8	165708.0	+1732.9	3241	6.2	171926.6	+1703.0
2974	9.5	160330.8	+1706.6	3063	8.9	163225.4	+1734.0	3152	9.3	165708.1	+1708.0	3242	9.5	171948.5	+1734.1
2975	9.3	160338.2	+1722.2	3064	9.5	163233.5	+1750.4	3153	9.3	165708.1	+1704.8	3243	9.1	171956.3	+1758.6
2976	9.0	160356.7	+1755.1	3065	9.5	163244.1	+1714.6	3154	8.8	165723.5	+1724.6	3244	9.1	172000.4	+1719.7
2977	9.5	160357.0	+1733.0	3066	9.5	163309.0	+1758.7	3155	9.4	165750.0	+1703.7	3245	8.3	172032.3	+1735.9
2978	9.5	160416.0	+1703.7	3067	8.2	163323.7	+1706.7	3156	9.5	165800.3	+1714.9	3246	8.8	172122.4	+1704.3
2979	9.5	160424.0	+1712.9	3068	9.5	163337.1	+1705.4	3157	9.5	165815.2	+1715.5	3247	9.2	172139.9	+1706.4
2980	9.1	160432.3	+1709.9	3069	6.8	163344.3	+1759.8	3158	9.5	165820.8	+1732.4	3248	9.3	172150.7	+1739.0
2981	9.5	160453.8	+1751.3	3070	9.2	163408.1	+1754.8	3159	9.5	165827.0	+1719.8	3249	9.5	172208.2	+1755.7
2982	6.1	160454.9	+1702.7	3071	8.9	163440.4	+1731.3	3160	9.5	165835.4	+1704.3	3250	9.5	172228.3	+1702.1
2983	8.0	160458.5	+1721.0	3072	9.3	163446.3	+1712.6	3161	9.4	165837.6	+1703.2	3251	9.3	172235.0	+1740.7
2984	9.5	160515.2	+1737.5	3072a	9.7	163449.2	+1737.9	3162	8.5	165850.9	+1701.2	3252	8.5	172241.4	+1735.1
2985	9.0	160621.1	+1730.3	3073	9.5	163508.4	+1731.1	3163	9.5	165923.0	+1726.4	3253	9.1	172242.7	+1714.9
2986	9.0	160621.5	+1723.4	3074	8.5	163516.5	+1737.1	3164	9.5	165926.9	+1748.6	3254	9.4	172258.0	+1746.2
2987	9.3	160623.8	+1757.1	3075	8.3	163608.3	+1724.7	3165	9.3	165932.2	+1709.4	3255	9.3	172323.5	+1715.0
2988	9.3	160636.0	+1705.0	3076	9.5	163608.6	+1732.9	3166	9.5	170012.5	+1739.3	3256	7.0	172411.7	+1737.9
2989	9.3	160647.5	+1748.6	3077	9.3	163612.7	+1702.2	3167	8.9	170027.6	+1755.8	3257	9.3	172426.8	+1741.0
2990	9.0	160732.5	+1736.2	3078	9.5	163730.4	+1748.5	3168	9.3	170042.9	+1718.3	3258	9.1	172439.9	+1759.3
2991	9.0	160746.1	+1733.8	3079	9.5	163732.6	+1705.6	3169	9.5	170045.7	+1715.7	3259	9.4	172445.2	+1720.8
2992	9.5	160809.6	+1725.6	3080	9.4	163750.5	+1709.6	3170	9.5	170047.4	+1742.8	3260	9.3	172502.8	+1751.7
2993	9.2	160842.3	+1734.1	3081	8.3	163815.3	+1718.9	3171	8.1	170050.6	+1758.8	3261	9.4	172526.5	+1727.7
2994	9.3	160846.5	+1749.9	3082	9.2	163820.6	+1754.9	3172	9.4	170054.6	+1715.2	3262	9.5	172535.5	+1701.0
2995	9.5	160914.1	+1723.4	3083	9.4	163831.0	+1757.6	3173	8.6	170105.0	+1733.2	3263	9.3	172546.5	+1702.2
2996	9.3	161026.3	+1731.0	3084	9.4	163933.9	+1735.8	3174	9.5	170118.7	+1756.7	3264	9.5	172554.7	+1751.5
2997	9.0	161052.8	+1733.0	3085	8.9	164039.2	+1758.9	3175	8.5	170138.5	+1725.9	3265	9.5	172604.6	+1708.5
2998	9.3	161215.8	+1740.0	3086	9.3	164057.7	+1722.7	3176	9.5	170230.4	+1746.2	3266	9.3	172610.4	+1730.1
2999	8.9	161220.1	+1745.1	3087	9.5	164067.3	+1717.5	3177	9.5	170236.8	+1704.8	3267	9.4	172621.1	+1752.4
3000	9.4	161225.9	+1706.6	3088	9.4	164066.7	+1746.7	3178	9.2	170328.8	+1759.9	3268	9.5	172624.6	+1703.8
3001	9.5	161256.7	+1721.9	3089	9.5	164065.7	+1751.5	3179	9.5	170338.2	+1729.0	3269	9.3	172650.0	+1732.4
3002	9.5	161332.7	+1717.9	3090	9.4	164102.6	+1713.2	3180	9.3	170412.1	+1701.4	3270	9.5	172708.7	+1755.5
3003	9.5	161345.5	+1744.4	3091	9.4	164126.2	+1702.9	3181	9.0	170432.0	+1750.3	3271	9.5	172713.5	+1749.3
3004	9.5	161410.8	+1743.1	3092	9.4	164134.1	+1720.6	3182	9.0	170503.2	+1721.5	3272	9.5	172728.2	+1727.0
3005	9.4	161429.1	+1729.7	3093	6.8	164156.4	+1723.9	3183	9.5	170542.1	+1754.0	3273	9.2	172732.8	+1752.8
3006	9.5	161458.7	+1752.6	3094	8.8	164200.9	+1713.7	3184	9.0	170542.2	+1716.6	3274	8.5	172745.6	+1741.7
3007	9.3	161510.7	+1702.6	3095	9.2	164217.9	+1715.8	3185	9.5	170613.9	+1755.5	3275	9.0	172753.4	+1737.2
3008	9.4	161521.1	+1731.8	3096	8.9	164223.3	+1719.8	3186	8.3	170616.5	+1726.6	3276	9.5	172802.6	+1703.1
3009	9.5	161538.3	+1705.0	3097	9.5	164226.4	+1706.4	3187	9.4	170622.4	+1757.8	3277	9.5	172814.9	+1720.1
3010	9.1	161540.5	+1729.6	3098	9.1	164228.5	+1740.5	3188	8.8	170654.0	+1722.9	3278	9.4	172824.0	+1751.0
3011	8.2	161622.4	+1743.9	3099	9.2	164230.8	+1719.9	3189	8.8	170711.5	+1750.7	3279	8.0	172829.6	+1754.5
3012	3.2	161637.7	+1748.7	3100	9.2	164238.6	+1709.6	3190	9.0	170712.3	+1726.5	3280	9.4	172847.4	+1747.5
3013	9.0	161649.1	+1715.3	3101	9.0	164309.1	+1727.4	3191	9.5	170717.4	+1708.6	3281	9.2	172851.0	+1742.8
3014	9.4	161654.0	+1754.6	3102	9.5	164318.3	+1740.1	3192	9.4	170736.3	+1702.2	3282	9.3	172853.0	+1719.4
3015	9.2	161702.9	+1728.2	3103	9.4	164324.1	+1707.2	3193	9.2	170739.9	+1713.9	3283	9.5	172907.9	+1706.0
3016	9.3	161735.1	+1750.1	3104	8.8	164418.8	+1750.5	3194	9.5	170746.5	+1723.3	3284	9.2	172911.6	+1700.9
3017	8.5	161743.4	+1742.3	3105	9.4	164502.4	+1738.6	3195	9.4	170749.2	+1710.6	3285	9.5	172950.7	+1731.1
3018	9.3	161753.2	+1722.0	3106	9.5	164524.9	+1756.7	3196	7.5	170750.5	+1715.0	3286	9.5	172953.0	+1744.2
3019	8.4	161804.4	+1759.0	3107	8.6	164534.8	+1717.7	3197	9.5	170805.6	+1754.7	3287	9.5	172958.3	+1724.8
3020	9.4	161822.2	+1713.7	3108	9.0	164547.7	+1747.3	3198	9.5	170821.0	+1752.7	3288	9.4	173008.9	+1732.5
3021	9.5	161837.7	+1737.1	3109	9.5	164601.4	+1719.8	3199	9.2	170827.0	+1748.0	3289	9.5	173059.5	+1734.2
3022	7.5	161858.1	+1737.1	3110	9.5	164616.1	+1747.0	3200	9.5	170833.9	+1742.5	3290	9.5	173123.7	+1708.5
3023	9.4	161947.7	+1759.4	3111	9.5	164616.6	+1705.1	3201	7.0	170843.3	+1758.1	3291	9.1	173126.4	+1738.0
3024	9.4	161952.7	+1722.5	3112	9.5	164631.0	+1722.5	3202	7.7	170909.9	+1759.6	3292	9.5	173139.9	+1724.3
3025	9.1	161956.6	+1728.3	3113	9.0	164646.8	+1728.1	3203	9.5	170924.4	+1759.0	3293	8.5	173155.1	+1755.4
3026	9.3	162002.4	+1714.7	3114	9.5	164711.5	+1733.2	3204	9.5	170926.5	+1710.2	3294	9.4	173217.2	+1715.0
3027	9.0	162016.4	+1755.5	3115	9.5	164727.9	+1758.0	3205	8.8	170928.3	+1702.8	3295	9.5	173226.7	+1758.6
3028	9.3	162043.7	+1753.9	3116	9.1	164751.1	+1718.4	3206	8.5	170938.0	+1723.9	3296	9.5	173250.2	+1720.1
3029	9.5	162125.3	+1757.9	3117	9.0	164753.6	+1704.7	3207	9.5	170953.7	+1747.2	3297	9.5	173250.2	+1717.3
3030	8.5	162139.1	+1748.4	3118	9.1	164802.4	+1707.5	3208	9.5	171050.9	+1737.3	3298	9.4	173251.7	+1714.6
3031	8.8	162204.8	+1705.1	3119	8.7	164830.6	+1709.0	3209	9.5	171059.8	+1755.0	3299	9.5	173253.5	+1742.5
3032	9.5	162211.4	+1733.3	3120	9.3	164836.8	+1755.7	3210	9.4	171112.7	+1753.8	3300	9.3	173350.9	+1720.8
3033	8.6	162211.7	+1713.7	3121	9.3	164839.6	+1745.3	3211	9.5	171120.9	+1722.5	3301	9.2	173352.2	+1731.4
3034	9.5	162220.4	+1727.1	3122	9.3	164841.7	+1750.3	3212	9.4	171132.0	+1746.7	3302	9.4	173415.2	+1751.3
3035	9.5	162232.6	+1725.3	3123	9.5	164852.0	+1758.4	3213	7.5	171132.7	+1716.4	3303	8.9	173428.2	+1720.0
3036	9.5	162249.1	+1735.0	3124	9.5	164912.4	+1718.5	3214	9.2	171134.8	+1746.0	3304	9.5	173450.9	+1733.3
3037	9.5	162257.3	+1753.0	3125	8.3	164919.9	+1738.4	3215	9.5	171135.3	+1745.3	3305	9.1	173500.6	+1718.5
3038	8.5	162301.0	+1747.4	3126	9.1	165035.2	+1719.8	3216	6.0	171139.2	+1729.0	3306	9.2	173506.4	+1749.2

+17 3324 17h39m

3324	9.5	173911.0	+1725.9	3414	8.5	175620.3	+1744.8	3504	9.4	180924.5	+1757.8	3594	9.0	182227.1	+1741.3
3325	8.5	173916.9	+1716.6	3415	9.3	175636.7	+1716.3	3505	9.4	180928.1	+1726.4	3595	6.5	182259.0	+1753.4
3326	8.0	173918.2	+1746.9	3416	9.5	175647.8	+1710.8	3506	9.3	180929.5	+1725.0	3596	9.0	182306.6	+1741.7
3327	9.5	173922.1	+1719.5	3417	9.0	175649.0	+1728.0	3507	9.5	180934.7	+1703.7	3597	8.9	182308.3	+1728.0
3328	9.3	173939.5	+1756.5	3418	8.3	175652.8	+1737.2	3508	9.5	180937.7	+1705.0	3598	8.0	182313.1	+1755.1
3329	9.5	173946.1	+1702.1	3419	8.9	175723.7	+1739.8	3509	9.5	180942.9	+1750.8	3599	8.8	182317.7	+1756.3
3330	9.5	173951.0	+1721.5	3420	9.4	175745.9	+1758.3	3510	9.5	180950.1	+1720.5	3600	8.6	182320.0	+1719.9
3331	7.9	174005.4	+1739.0	3421	9.4	175750.8	+1713.9	3511	9.5	180953.3	+1716.6	3601	7.7	182321.8	+1750.8
3332	8.2	174033.5	+1757.2	3422	9.5	175806.1	+1748.5	3512	9.0	180955.0	+1728.5	3602	9.3	182341.3	+1757.9
3333	9.5	174034.5	+1733.9	3423	9.5	175807.6	+1717.6	3513	9.3	181007.5	+1749.6	3603	9.0	182413.1	+1702.8
3334	5.5	174044.9	+1747.2	3424	9.5	175819.3	+1702.9	3514	9.3	181013.4	+1702.4	3604	9.5	182424.5	+1704.7
3335	9.3	174106.0	+1720.8	3425	9.5	175838.2	+1733.7	3515	9.4	181019.8	+1741.4	3605	9.5	182426.4	+1731.0
3336	8.8	174121.4	+1728.7	3426	9.1	175840.8	+1759.7	3516	9.5	181029.9	+1737.7	3606	9.5	182431.2	+1726.9
3337	9.4	174136.5	+1727.3	3427	8.2	175843.9	+1705.6	3517	9.4	181106.8	+1712.0	3607	9.5	182454.9	+1706.5
3338	9.4	174136.6	+1705.7	3428	9.2	175848.2	+1731.7	3518	9.4	181113.0	+1706.7	3608	9.4	182503.6	+1759.4
3339	9.5	174136.9	+1742.0	3429	9.5	175849.0	+1738.0	3519	9.5	181129.6	+1712.5	3609	9.5	182512.5	+1719.6
3340	9.4	174153.4	+1739.3	3430	9.5	175857.6	+1707.3	3520	7.6	181131.7	+1755.0	3610	9.5	182522.8	+1704.4
3341	9.3	174156.9	+1730.2	3431	9.5	175902.8	+1719.7	3521	9.5	181153.2	+1714.9	3611	8.8	182526.4	+1725.6
3342	9.4	174158.2	+1729.9	3432	8.2	175908.4	+1712.8	3522	9.5	181208.3	+1756.1	3612	9.5	182538.0	+1727.9
3343	9.5	174202.0	+1733.2	3433	9.9	175913.5	+1700.1	3523	9.2	181210.5	+1702.0	3613	9.3	182542.1	+1747.4
3344	9.0	174208.4	+1711.5	3434	9.4	175924.8	+1742.6	3524	9.3	181228.7	+1755.4	3614	9.5	182547.3	+1719.0
3345	9.1	174235.4	+1751.7	3435	9.5	175926.2	+1738.3	3525	9.0	181229.9	+1731.0	3615	9.4	182557.2	+1714.4
3346	8.7	174251.9	+1739.7	3436	9.4	175940.9	+1747.4	3526	8.7	181238.0	+1725.1	3616	8.8	182558.1	+1717.1
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3365	8.0	174620.9	+1752.8	3455	9.5	180149.0	+1726.3	3545	9.3	181540.0	+1754.5	3635	9.5	182802.8	+1706.4
3366	9.5	174643.0	+1713.8	3456	9.4	180154.8	+1755.0	3546	9.5	181540.0	+1752.3	3636	9.5	182804.7	+1714.1
3367	9.5	174644.4	+1720.0	3457	9.4	180201.8	+1701.5	3547	9.4	181542.6	+1737.5	3637	9.4	182808.0	+1754.2
3368	9.3	174649.0	+1701.6	3458	8.6	180219.3	+1735.8	3548	9.4	181559.5	+1708.0	3638	8.7	182824.3	+1747.5
3369	9.0	174708.5	+1734.2	3459	8.7	180238.8	+1732.2	3549	9.5	181605.3	+1711.6	3639	9.1	182824.5	+1728.4
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3372	9.5	174750.9	+1723.5	3462	9.5	180302.3	+1710.7	3552	9.5	181618.8	+1758.6	3642	9.5	182924.8	+1717.2
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+17 4044 19h33m

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4794 9.4 223626.0 +1753.7	4884 8.3 230819.9 +1750.5	4974 9.5 233753.4 +1721.8	26 9.5 01453.2 +1638.0
4795 9.4 223631.0 +1745.4	4885 9.5 230848.4 +1735.7	4975 9.3 233834.8 +1740.5	27 8.7 01539.8 +1657.8
4796 9.2 223632.0 +1749.5	4886 9.5 230851.9 +1718.7	4976 9.4 233916.4 +1735.6	28 9.0 01600.7 +1643.3
4797 9.5 223634.6 +1734.0	4887 7.7 230855.4 +1727.7	4977 9.5 233954.4 +1743.9	29 9.5 01628.2 +1653.1
4798 9.5 223644.0 +1704.6	4888 9.5 230903.9 +1727.3	4978 9.3 233959.8 +1747.8	30 9.1 01642.9 +1650.4
4799 9.2 223734.5 +1709.2	4889 8.0 230907.3 +1702.9	4979 9.5 234007.2 +1730.4	31 8.0 01705.6 +1610.8
4800 8.5 223747.6 +1717.0	4890 9.5 231025.9 +1741.2	4980 9.5 234025.1 +1752.3	32 9.5 01713.0 +1652.1
4801 9.4 223830.5 +1724.9	4891 7.0 231026.7 +1730.5	4981 9.3 234044.4 +1748.7	33 8.2 01740.0 +1611.9
4802 9.3 223832.3 +1737.5	4892 8.7 231041.1 +1754.4	4982 9.1 234046.7 +1719.0	34 9.1 01759.3 +1606.2
4803 9.5 223850.7 +1756.4	4893 8.7 231050.7 +1756.0	4983 9.1 234116.4 +1724.5	35 9.0 01925.4 +1616.3
4804 9.3 223922.3 +1755.0	4894 9.5 231110.0 +1756.3	4984 8.5 234118.1 +1742.2	36 9.2 02008.0 +1651.5
4805 9.5 223931.0 +1721.2	4895 9.3 231124.4 +1748.5	4985 9.5 234128.4 +1745.3	37 9.5 02029.2 +1645.1
4806 9.5 223932.0 +1721.9	4896 8.0 231134.9 +1751.1	4986 9.5 234129.1 +1748.8	38 9.2 02100.1 +1652.8
4807 9.2 223947.5 +1705.0	4897 9.5 231139.7 +1720.5	4987 9.5 234217.0 +1730.2	39 8.5 02210.8 +1648.5
4808 8.8 224004.8 +1737.5	4898 9.5 231141.4 +1715.4	4988 9.5 234236.6 +1705.0	40 9.4 02223.8 +1653.4
4809 8.5 224019.2 +1704.1	4899 9.5 231209.9 +1713.2	4989 9.4 234240.0 +1717.9	41 9.0 02246.7 +1627.1
4810 9.2 224112.0 +1706.6	4900 9.3 231315.2 +1739.5	4990 9.3 234240.4 +1715.1	42 9.0 02322.2 +1606.2
4811 9.3 224124.3 +1747.9	4901 9.5 231405.9 +1718.1	4991 9.5 234327.2 +1704.9	43 9.0 02339.7 +1657.4
4812 8.8 224125.9 +1721.9	4902 9.5 231429.9 +1745.0	4992 9.5 234346.4 +1752.1	44 9.5 02348.7 +1644.5
4813 8.8 224151.2 +1746.5	4903 9.5 231453.4 +1715.3	4993 9.0 234351.4 +1733.8	45 8.7 02415.3 +1628.3
4814 8.8 224200.4 +1716.1	4904 9.1 231507.4 +1748.1	4994 9.5 234354.5 +1704.3	46 9.5 02505.0 +1645.5
4815 9.0 224201.6 +1729.6	4905 9.0 231530.5 +1755.9	4995 9.5 234406.9 +1713.2	47 8.8 02530.7 +1618.5
4816 8.5 224233.3 +1743.4	4906 8.4 231543.1 +1748.0	4996 9.5 234419.7 +1722.3	48 9.5 02557.7 +1642.7
4817 8.8 224308.3 +1724.7	4907 9.5 231549.3 +1751.0	4997 9.5 234453.0 +1732.5	49 9.4 02622.9 +1608.3
4818 7.3 224345.3 +1714.3	4908 9.5 231603.4 +1714.7	4998 9.5 234517.0 +1711.0	50 9.0 02735.4 +1646.1
4819 9.5 224414.9 +1721.3	4909 9.5 231712.9 +1719.0	4999 6.5 234537.9 +1705.8	51 9.5 02807.2 +1621.5
4820 9.3 224416.3 +1738.2	4910 9.5 231715.7 +1757.0	5000 9.5 234556.4 +1708.4	52 9.4 02811.7 +1642.3
4821 9.5 224432.0 +1710.5	4911 9.5 231829.9 +1718.3	5001 7.0 234631.4 +1711.2	53 9.5 02834.4 +1646.4
4822 8.7 224546.8 +1725.6	4912 9.5 231838.9 +1736.4	5002 7.6 234725.8 +1757.4	54 9.2 02843.7 +1613.2
4823 9.3 224600.8 +1756.4	4913 9.5 231958.4 +1749.4	5003 9.5 234731.1 +1700.4	55 9.5 02925.6 +1652.4
4824 9.5 224625.6 +1737.2	4914 9.3 2320 1.1 +1700.2	5004 9.5 234807.2 +1736.3	56 9.5 02931.4 +1658.2
4825 9.4 224642.0 +1713.6	4915 9.5 232033.0 +1759.9	5005 9.5 234807.7 +1750.1	57 9.5 03014.8 +1636.7
4826 9.4 224646.0 +1759.9	4916 9.4 232046.0 +1755.4	5006 9.5 234808.0 +1706.7	58 9.5 03037.3 +1654.3
4827 7.1 224711.5 +1701.7	4917 7.8 232058.7 +1743.8	5007 9.5 234827.2 +1734.0	59 9.5 03121.5 +1601.4
4828 9.2 224720.7 +1733.0	4918 9.1 232101.9 +1732.9	5008 9.5 234851.1 +1755.2	60 9.5 03253.1 +1621.8
4829 9.5 224722.9 +1759.6	4919 9.4 232102.1 +1700.6	5009 9.5 234921.9 +1710.3	61 9.5 03306.8 +1633.0
4830 9.3 224752.1 +1758.3	4920 9.1 232114.0 +1753.5	5010 9.4 234933.9 +1738.9	62 9.0 03345.4 +1610.8
4831 9.3 224815.6 +1733.5	4921 9.1 232120.8 +1758.3	5011 9.4 234934.1 +1739.6	63 9.0 03351.3 +1654.6
4832 8.0 224823.1 +1701.5	4922 8.9 232159.9 +1731.5	5012 9.3 234951.4 +1738.3	64 9.2 03352.0 +1610.3
4833 7.8 224826.4 +1724.9	4923 9.3 232200.8 +1723.0	5013 8.1 235008.4 +1727.1	65 9.0 03410.1 +1609.6
4834 9.5 224838.0 +1708.5	4924 9.5 232201.9 +1747.8	5014 8.0 235024.2 +1754.0	66 9.3 03428.5 +1600.2
4835 9.2 224844.0 +1708.6	4925 9.4 232206.8 +1723.8	5015 9.5 235028.5 +1752.8	67 9.4 03449.0 +1600.0
4836 9.3 224852.6 +1735.5	4926 8.9 232212.4 +1744.7	5016 9.4 235115.4 +1713.6	68 9.5 03509.7 +1659.1
4837 9.5 224903.6 +1710.8	4927 9.5 232218.9 +1701.9	5017 9.5 235138.7 +1705.0	69 9.5 03523.2 +1659.3
4838 9.5 224930.0 +1706.3	4928 9.1 232246.4 +1728.1	5018 9.5 235159.7 +1718.2	70 8.6 03558.1 +1634.1
4839 9.3 224931.3 +1718.5	4929 9.5 232248.9 +1747.7	5019 9.3 235216.8 +1731.5	71 9.5 03741.2 +1611.8
4840 9.5 224945.7 +1756.6	4930 8.5 232449.4 +1728.4	5020 9.5 235243.2 +1755.5	72 9.2 03801.3 +1615.3
4841 8.5 225041.8 +1714.8	4931 7.3 232350.3 +1758.9	5021 9.0 235250.4 +1710.0	73 9.5 03942.9 +1637.1
4842 8.5 225130.3 +1735.7	4932 9.4 232352.4 +1755.7	5022 9.5 235304.2 +1712.0	74 9.0 04015.3 +1610.3
4843 9.5 225140.0 +1721.9	4933 9.5 232419.3 +1718.6	5023 8.2 235330.9 +1703.8	75 9.5 04043.5 +1648.2
4844 9.0 225204.0 +1709.8	4934 9.3 232454.6 +1748.1	5024 8.4 235422.1 +1756.1	76 5.7 04123.2 +1609.4
4845 9.5 225255.3 +1720.0	4935 9.5 232529.4 +1713.5	5025 9.5 235432.2 +1756.8	77 9.5 04153.3 +1650.3
4846 9.4 225322.2 +1744.3	4936 9.5 232536.4 +1731.1	5026 9.5 235456.4 +1730.6	78 8.5 04259.5 +1612.3
4847 9.3 225348.3 +1724.7	4937 9.5 232543.9 +1712.1	5027 8.4 235508.4 +1752.8	79 9.5 04323.7 +1634.8
4848 9.0 225353.3 +1742.0	4938 6.7 232615.2 +1701.3	5028 9.3 235523.3 +1751.4	80 9.5 04335.3 +1608.8
4849 8.7 225423.7 +1754.9	4939 9.5 232624.9 +1736.4	5029 9.2 235729.6 +1720.7	81 9.5 04403.7 +1625.0

+16 82 0h44m

+16 441 3h18m

82	9.4	04446.9	+1600.8	172	8.2	12557.5	+1657.5	262	9.5	20743.5	+1650.9	352	9.3	24025.3	+1606.8
83	9.0	04449.6	+1652.6	173	9.5	12631.0	+1611.8	263	9.3	20815.2	+1656.5	353	8.8	24025.3	+1629.3
84	9.5	04513.0	+1628.1	174	9.5	12700.0	+1645.4	264	9.5	20819.1	+1654.4	354	9.5	24026.2	+1645.4
85	9.5	04524.8	+1613.2	175	9.5	12758.1	+1608.2	265	9.3	20858.7	+1613.2	355	5.7	24113.1	+1651.5
86	9.5	04651.9	+1648.3	176	6.5	12805.0	+1641.9	266	8.5	20907.0	+1637.8	356	9.5	24121.2	+1648.1
87	8.4	04728.5	+1607.3	177	9.5	12911.2	+1638.2	267	9.5	20916.1	+1651.7	357	9.5	24122.2	+1602.7
88	9.5	04730.2	+1645.5	178	9.4	12914.4	+1603.4	268	9.0	20917.4	+1611.4	358	9.5	24148.2	+1657.3
89	9.5	04800.2	+1618.4	179	9.4	12914.6	+1605.7	269	9.5	20951.0	+1609.5	359	9.5	24242.8	+1651.0
90	8.4	04904.9	+1655.8	180	9.5	12927.5	+1641.9	270	9.5	21104.7	+1637.4	360	9.5	24242.8	+1657.0
91	9.4	04930.1	+1629.9	181	9.3	12950.8	+1637.0	271	8.8	21114.3	+1657.6	361	9.0	24303.7	+1619.3
92	9.5	04940.0	+1633.4	182	9.4	13025.7	+1608.6	272	9.5	21132.0	+1651.2	362	8.8	24422.3	+1635.2
93	9.5	05003.5	+1659.4	183	8.5	13107.2	+1629.4	273	9.5	21136.1	+1642.5	363	9.5	24434.9	+1630.8
94	9.5	05041.3	+1656.2	184	9.4	13118.1	+1651.7	274	9.5	21145.7	+1623.1	364	9.5	24451.1	+1653.8
95	9.5	05100.1	+1645.0	185	9.5	13219.0	+1606.5	275	9.4	21145.8	+1600.9	365	9.5	24503.5	+1636.4
96	8.9	05121.4	+1607.6	186	9.2	13236.1	+1620.5	276	9.5	21203.3	+1601.2	366	9.5	24514.8	+1603.0
97	8.0	05242.4	+1626.7	187	9.0	13255.5	+1643.6	277	9.0	21212.6	+1657.4	367	9.4	24543.0	+1656.8
98	9.1	05250.6	+1608.7	188	9.5	13408.0	+1619.7	278	9.5	21254.1	+1649.2	368	9.3	24626.8	+1635.3
99	9.0	05259.2	+1641.6	189	9.5	13420.6	+1652.4	279	9.3	21327.4	+1629.9	369	9.5	24643.0	+1605.7
100	9.3	05303.0	+1610.8	190	9.0	13556.2	+1623.9	280	9.3	21345.1	+1630.5	370	9.5	24708.6	+1635.4
101	9.3	05428.0	+1650.7	191	9.4	13601.8	+1641.2	281	7.0	21435.0	+1612.0	371	9.5	24823.5	+1614.8
102	9.3	05431.0	+1654.0	192	8.9	13604.6	+1658.8	282	9.4	21452.1	+1644.0	372	9.5	24828.1	+1643.3
103	9.1	05458.2	+1619.1	193	9.5	13623.9	+1655.3	283	7.3	21500.1	+1656.2	373	8.8	24856.1	+1638.4
104	9.2	05528.7	+1645.1	194	9.1	13634.2	+1619.8	284	8.3	21531.3	+1603.9	374	9.4	25020.1	+1645.0
105	8.8	05545.0	+1621.8	195	9.5	13706.5	+1656.1	285	9.4	21540.7	+1644.6	375	9.1	25037.9	+1656.3
106	9.2	05621.2	+1642.0	196	6.5	13843.5	+1641.5	286	9.5	21608.4	+1605.4	376	9.5	25120.0	+1627.9
107	9.5	05719.7	+1627.3	197	9.3	13850.7	+1612.3	287	9.0	21636.1	+1607.2	377	9.5	25156.2	+1619.6
108	9.5	05731.3	+1607.0	198	9.0	13851.3	+1646.5	288	9.0	21703.0	+1611.1	378	9.5	25357.2	+1659.3
109	9.0	05742.9	+1654.9	199	9.0	13918.8	+1634.7	289	9.0	21709.2	+1613.1	379	9.5	25432.5	+1652.3
110	9.0	05802.0	+1617.9	200	9.4	13930.1	+1628.8	290	9.0	21746.5	+1659.5	380	8.8	25445.2	+1658.9
111	8.8	05826.6	+1657.3	201	9.5	13930.2	+1612.8	291	8.3	21842.5	+1656.7	381	9.5	25457.5	+1655.8
112	9.3	05843.2	+1650.9	202	9.0	13933.5	+1638.8	292	9.5	21853.4	+1611.4	382	9.5	25506.8	+1626.6
113	8.8	05910.9	+1656.2	203	6.0	14019.1	+1614.8	293	6.8	21933.8	+1600.3	383	9.5	25639.7	+1642.2
114	9.5	05920.2	+1621.5	204	8.2	14030.2	+1618.0	294	8.5	22022.0	+1642.9	384	9.5	25658.5	+1650.2
115	9.5	10001.3	+1604.2	205	8.5	14040.2	+1639.8	295	9.5	22044.8	+1604.2	385	9.5	25716.8	+1624.4
116	8.0	10012.4	+1637.5	206	9.5	14307.8	+1659.0	296	9.5	22224.4	+1648.9	386	9.5	25723.3	+1659.8
117	8.9	10016.0	+1659.5	207	9.5	14319.5	+1623.2	297	9.5	22233.0	+1629.9	387	9.5	25811.2	+1630.8
118	9.0	10023.0	+1624.6	208	9.5	14327.4	+1657.5	298	9.4	22246.8	+1632.7	388	9.3	25831.4	+1649.4
119	8.6	10046.2	+1652.4	209	9.0	14345.5	+1635.4	299	9.2	22330.2	+1653.4	389	8.8	25833.2	+1654.4
120	9.5	10059.2	+1629.5	210	8.3	14403.6	+1621.8	300	9.3	22334.9	+1622.2	390	9.3	25838.9	+1643.8
121	9.0	10304.5	+1610.8	211	8.3	14527.8	+1621.8	301	9.5	22335.1	+1631.0	391	9.2	25915.8	+1630.4
122	9.5	10307.0	+1628.3	212	9.4	14540.5	+1631.1	302	9.5	22354.8	+1615.2	392	8.3	25956.5	+1621.7
123	8.5	10321.7	+1601.0	213	8.8	14543.7	+1644.6	303	9.5	22419.4	+1614.1	393	8.0	25959.5	+1628.3
124	9.1	10405.1	+1658.1	214	9.5	14600.4	+1627.7	304	9.5	22450.7	+1657.7	394	9.5	30048.5	+1606.1
125	9.2	10509.4	+1608.2	215	9.0	14651.2	+1645.3	305	9.5	22521.8	+1639.2	395	8.4	30127.5	+1620.7
126	9.5	10533.3	+1614.0	216	8.5	14653.0	+1651.2	306	9.2	22557.2	+1622.4	396	7.8	30132.9	+1641.8
127	9.5	10641.6	+1621.3	217	8.2	14738.8	+1629.8	307	9.5	22558.0	+1606.1	397	9.2	30154.4	+1659.0
128	9.0	10810.4	+1657.5	218	9.5	14800.1	+1618.1	308	9.3	22742.4	+1651.7	398	8.0	30210.9	+1614.8
129	8.3	10825.8	+1651.5	219	9.4	14809.5	+1625.3	309	9.5	22742.4	+1632.8	399	8.8	30255.4	+1644.9
130	8.1	10829.7	+1604.2	220	9.4	14826.3	+1618.9	310	9.4	22806.9	+1657.6	400	9.5	30309.4	+1614.3
131	9.5	10902.5	+1651.5	221	9.5	14829.6	+1617.7	311	9.4	22839.4	+1602.0	401	9.5	30330.5	+1645.7
132	9.1	11025.1	+1623.8	222	8.4	14853.5	+1648.2	312	9.2	22922.7	+1614.1	402	8.5	30405.5	+1645.2
133	9.2	11040.7	+1636.9	223	8.9	14855.2	+1632.5	313	9.4	22926.8	+1651.7	403	8.7	30450.0	+1634.5
134	9.5	11057.1	+1641.8	224	9.4	15006.7	+1605.2	314	9.5	22928.0	+1657.1	404	9.5	30510.7	+1628.3
135	9.5	11122.4	+1600.4	225	8.5	15007.6	+1649.8	315	9.5	22935.7	+1618.5	405	9.5	30522.8	+1606.8
136	9.4	11139.1	+1655.8	226	9.3	15025.5	+1659.0	316	9.5	22946.8	+1633.9	406	9.4	30601.7	+1650.1
137	9.5	11144.8	+1643.9	227	8.2	15053.1	+1620.1	317	9.4	23044.8	+1650.9	407	9.5	30608.3	+1638.3
138	9.5	11323.9	+1640.5	228	9.5	15110.0	+1645.7	318	9.5	23143.5	+1643.4	408	9.5	30625.8	+1601.9
139	7.7	11438.6	+1604.3	229	9.5	15124.2	+1600.4	319	9.5	23152.6	+1643.4	409	9.5	30726.7	+1650.2
140	9.2	11455.7	+1619.8	230	9.5	15233.9	+1653.0	320	9.4	23201.9	+1646.9	410	9.1	30637.3	+1602.2
141	8.0	11458.7	+1626.6	231	9.5	15312.4	+1622.6	321	9.3	23207.4	+1638.1	411	9.3	30654.4	+1630.7
142	9.3	11518.2	+1604.5	232	9.3	15335.5	+1600.5	322	7.8	23207.7	+1605.9	412	9.5	30804.9	+1659.5
143	9.5	11521.8	+1633.9	233	9.3	15522.8	+1656.5	323	9.5	23225.0	+1652.6	413	9.5	30808.3	+1636.9
144	9.4	11566.6	+1601.8	234	9.5	15527.2	+1627.7	324	9.5	23229.0	+1646.7	414	9.3	30841.4	+1641.9
145	9.5	11633.9	+1651.6	235	9.2	15538.7	+1630.1	325	9.5	23303.5	+1607.7	415	9.5	30858.9	+1641.4
146	9.4	11715.7	+1641.3	236	9.5	15653.8	+1600.6	326	9.5	23312.8	+1616.2	416	9.5	30920.4	+1625.9
147	9.5	11739.5	+1630.8	237	8.5	15747.2	+1656.9	327	9.5	23335.7	+1626.6	417	9.3	31007.3	+1602.4
148	9.1	11806.6	+1611.0	238	9.3	15806.7	+1627.7	328	8.7	23335.8	+1606.4	418	9.5	31010.4	+1636.7
149	9.0	11830.5	+1622.5	239	8.3	15826.6	+1610.0	329	9.1	23349.2	+1612.5	419	9.5	31022.3	+1631.4
150	9.3	11835.7	+1614.6	240	9.5	15834.0	+1645.4	330	8.3	23418.5	+1620.2	420	9.5	31052.7	+1622.4
151	9.4	11848.4	+1642.1	241	8.9	15839.1	+1624.2	331	8.8	23418.6	+1658.8	421	9.5	31054.9	+1648.1
152	9.4	11902.9	+1656.7	242	9.5	15940.7	+1623.5	332	9.2	23421.5	+1648.3	422	9.5	31114.3	+1643.8
153	8.9	11947.0	+1601.9	243	9.5	15944.4	+1652.6	333	9.5	23455.2	+1623.1	423	7.9	31148.5	+1657.9
154	7.2	12037.1	+1620.1	244	8.8	20059.7	+1653.1	334	9.5	23508.5	+1606.4	424	9.5	31248.3	+1641.8
155	9.1	12044.3	+1609.3	245	9.5	20110.4	+1650.2	335	9.5	23510.0	+1646.7	425	9.0	31307.4	+1644.0
156	8.3	12154.1	+1621.5	246	9.5	20118.7	+1603.5	336	9.4	23527.7	+1631.1	426	9.5	31324.4	+1623.5
157	9.5	12204.4	+1649.6	247	6.8	20126.1	+1632.6	337	7.9	23534.0	+1655.5	427	9.5	31413.4	+1623.8
158	9.0	12230.6	+1610.9												

442	9.5	31828.9	+1631.0	532	9.5	34829.3	+1608.2	622	9.0	42544.3	+1626.3	711	9.1	50222.1	+1624.9
443	8.3	31927.7	+1608.7	533	9.5	34909.6	+1609.4	623	9.5	42611.4	+1612.4	712	9.4	50222.9	+1622.3
444	8.5	31957.4	+1639.0	534	9.3	34933.2	+1623.5	624	7.3	42637.9	+1640.9	713	9.0	50223.3	+1618.3
445	9.0	32005.4	+1619.1	535	9.2	34949.6	+1658.5	625	7.0	42641.6	+1653.4	714	9.5	50225.0	+1619.6
446	9.5	32008.9	+1657.0	536	9.3	34957.1	+1604.1	626	9.4	42713.1	+1639.7	715	8.5	50228.8	+1614.8
447	9.5	32014.3	+1655.0	537	9.3	35001.2	+1640.5	627	9.2	42714.5	+1646.6	716	9.5	50235.5	+1607.2
448	9.5	32026.5	+1606.3	538	8.7	35028.2	+1642.2	628	9.3	42731.7	+1606.0	717	9.5	50236.8	+1652.4
449	9.5	32052.1	+1647.7	539	9.2	35032.2	+1620.0	629	1.1	42736.1	+1612.9	718	9.5	50241.8	+1610.2
450	7.5	32132.4	+1615.1	540	9.0	35038.9	+1629.4	630	9.5	42739.5	+1614.5	719	9.5	50242.3	+1629.3
451	9.5	32244.7	+1634.6	541	9.5	35053.7	+1657.6	631	9.1	42811.1	+1600.5	720	9.3	50246.9	+1624.1
452	9.5	32318.1	+1603.6	542	9.5	35139.9	+1615.5	632	9.3	42815.3	+1627.4	721	8.8	50330.4	+1633.5
453	9.1	32325.2	+1644.9	543	9.5	35203.8	+1610.8	633	9.5	42817.2	+1651.0	722	9.5	50343.3	+1629.0
454	8.3	32353.4	+1613.4	544	6.5	35220.2	+1652.2	634	9.3	43041.9	+1653.3	723	9.5	50343.8	+1656.7
455	9.2	32355.4	+1639.9	545	9.3	35246.6	+1605.5	635	9.5	43045.3	+1617.6	724	9.3	50348.3	+1624.2
456	9.5	32405.5	+1643.0	546	9.5	35250.5	+1615.8	636	8.8	43100.4	+1626.7	725	9.3	50348.9	+1629.8
457	9.3	32421.9	+1646.7	547	9.4	35316.2	+1652.1	637	8.8	43134.3	+1613.4	726	9.3	50357.8	+1603.1
458	7.3	32447.0	+1606.5	548	9.5	35335.5	+1656.1	638	9.5	43143.2	+1653.3	727	9.5	50409.8	+1603.1
459	9.5	32503.5	+1624.6	549	9.1	35345.4	+1654.2	639	9.2	43153.6	+1606.2	728	9.5	50415.6	+1617.9
460	9.5	32505.9	+1656.7	550	9.0	35418.2	+1627.6	640	9.2	43204.2	+1613.4	729	9.5	50416.4	+1617.9
461	8.9	32524.9	+1650.1	551	9.3	35420.0	+1655.0	641	8.3	43311.6	+1625.7	730	9.5	50424.3	+1639.9
462	9.5	32527.9	+1615.5	552	9.3	35428.1	+1614.4	642	9.3	43349.6	+1623.5	731	9.5	50436.4	+1616.2
463	9.5	32538.4	+1621.7	553	9.3	35504.8	+1651.3	643	9.5	43408.3	+1620.2	732	8.8	50451.9	+1641.5
464	9.1	32556.4	+1650.1	554	9.0	35620.6	+1613.3	644	9.3	43427.9	+1646.6	733	9.5	50501.8	+1618.5
465	9.5	32619.1	+1643.8	555	9.5	35644.5	+1639.0	645	8.5	43444.4	+1602.2	734	9.4	50554.6	+1648.4
466	9.2	32645.9	+1644.3	556	9.3	35725.0	+1647.7	646	9.5	43454.6	+1646.9	735	8.7	50558.1	+1629.8
467	9.3	32652.4	+1650.1	557	9.3	35817.8	+1604.1	647	9.5	43542.4	+1648.9	736	9.1	50641.0	+1636.4
468	9.5	32654.8	+1643.2	558	9.4	35927.3	+1608.0	648	9.5	43644.0	+1638.9	737	9.5	50643.8	+1649.7
469	9.5	32730.0	+1631.9	559	7.5	35939.5	+1608.3	649	9.0	43828.6	+1601.8	738	9.5	50748.9	+1619.3
470	9.5	32737.0	+1624.5	560	5.6	35941.7	+1657.3	650	9.4	43843.9	+1626.7	739	9.2	50806.0	+1659.3
471	9.1	32817.4	+1612.0	561	8.0	40031.4	+1653.6	651	9.5	43910.8	+1602.0	740	9.4	50811.8	+1639.2
472	8.9	32838.4	+1643.8	562	9.5	40034.6	+1649.9	652	9.5	43940.9	+1637.0	741	8.3	50816.4	+1651.7
473	9.3	32842.5	+1614.6	563	9.0	40104.2	+1646.6	653	9.5	43952.4	+1602.6	742	7.8	50845.0	+1610.7
474	9.2	32848.9	+1603.9	564	9.2	40151.5	+1658.2	654	7.3	44021.6	+1622.8	743	9.4	50854.5	+1654.2
475	9.3	32925.9	+1630.4	565	9.5	40216.3	+1623.4	655	9.5	44136.7	+1607.6	744	9.5	50918.3	+1631.8
476	9.3	32929.3	+1645.2	566	9.0	40247.1	+1647.1	656	9.5	44156.0	+1628.5	745	9.3	50920.0	+1617.2
477	9.3	32932.7	+1642.1	567	6.5	40247.8	+1615.2	657	7.0	44200.6	+1656.9	746	9.4	50952.1	+1601.1
478	9.4	32954.5	+1600.6	568	9.0	40320.4	+1652.7	658	9.4	44205.1	+1630.5	747	9.1	51023.2	+1656.9
479	9.5	33000.3	+1641.8	569	6.0	40412.9	+1654.9	659	9.5	44218.1	+1635.5	748	9.2	51027.9	+1628.5
480	9.5	33004.5	+1616.7	570	9.0	40453.5	+1624.2	660	9.4	44422.9	+1656.2	749	9.5	51029.8	+1620.6
481	9.5	33056.9	+1615.1	571	9.5	40600.8	+1629.3	661	9.5	44434.0	+1653.5	750	9.4	51030.1	+1606.3
482	9.5	33100.3	+1633.5	572	9.4	40645.9	+1642.6	662	9.3	44510.7	+1634.7	751	9.2	51034.0	+1631.6
483	9.0	33107.4	+1642.0	573	9.4	40714.7	+1644.8	663	9.5	44531.5	+1611.7	752	9.5	51101.1	+1637.0
484	6.0	33115.2	+1604.1	574	9.5	40757.1	+1604.0	664	9.0	44532.7	+1648.7	753	9.5	51108.4	+1639.5
485	9.3	33120.3	+1624.5	575	9.5	40833.0	+1608.7	665	7.5	44540.7	+1648.6	754	9.4	51107.8	+1621.1
486	9.2	33121.7	+1658.6	576	8.5	40912.0	+1613.5	666	9.3	44543.9	+1628.0	755	8.6	51135.0	+1634.0
487	9.2	33237.0	+1654.4	577	8.4	40920.5	+1634.3	667	9.5	44605.5	+1635.0	756	9.3	51137.6	+1637.7
488	8.9	33244.7	+1641.3	578	9.2	40937.6	+1659.5	668	7.5	44635.3	+1638.3	757	9.5	51213.8	+1614.4
489	9.5	33307.4	+1621.2	579	7.3	41136.8	+1610.6	669	7.0	44659.8	+1633.8	758	9.5	51247.4	+1602.6
490	9.5	33337.4	+1651.8	580	9.5	41213.6	+1633.5	670	9.4	44753.8	+1610.1	759	9.5	51257.9	+1609.6
491	9.5	33344.6	+1627.5	581	9.0	41311.5	+1627.0	671	9.5	44810.1	+1619.5	760	9.5	51303.8	+1604.7
492	8.7	33353.2	+1629.2	582	9.0	41319.5	+1644.9	672	7.5	44827.3	+1633.5	761	9.5	51332.0	+1640.4
493	9.5	33356.0	+1626.5	583	9.4	41405.1	+1654.5	673	5.6	44900.0	+1655.6	762	8.3	51409.9	+1639.5
494	9.5	33356.0	+1623.5	584	8.8	41422.8	+1659.6	674	9.5	44946.3	+1638.4	763	8.2	51502.8	+1651.8
495	9.5	33403.4	+1631.1	585	8.0	41426.1	+1626.9	675	9.5	45003.9	+1646.8	764	9.5	51510.6	+1636.2
496	9.4	33411.0	+1653.1	586	6.0	41506.8	+1627.6	676	9.5	45045.3	+1606.4	765	6.8	51516.7	+1633.1
497	7.5	33424.9	+1649.2	587	8.0	41509.5	+1616.5	677	9.3	45048.4	+1642.7	766	8.0	51520.6	+1621.3
498	9.5	33444.3	+1608.9	588	9.5	41514.9	+1642.4	678	9.3	45109.9	+1626.9	767	8.4	51547.0	+1625.5
499	9.5	33509.4	+1643.5	589	8.8	41554.8	+1602.1	679	9.5	45124.5	+1604.1	768	9.2	51547.6	+1622.5
500	9.5	33518.0	+1622.6	590	9.0	41555.8	+1603.6	679	9.3	45130.8	+1635.9	769	9.5	51618.9	+1638.1
501	9.5	33520.2	+1601.7	591	8.0	41602.5	+1644.0	680	9.1	45227.8	+1653.6	770	9.5	51620.4	+1609.5
502	9.5	33536.2	+1613.1	592	8.2	41608.1	+1633.2	681	9.5	45234.4	+1606.8	771	9.2	51637.3	+1652.1
503	9.5	33539.6	+1650.9	593	9.4	41639.1	+1637.8	682	9.5	45244.8	+1611.6	772	9.5	51712.3	+1640.9
504	9.3	33558.7	+1614.5	594	9.4	41725.4	+1619.3	683	9.5	45253.7	+1658.1	773	9.5	51714.7	+1604.0
505	9.5	33600.3	+1603.8	595	9.3	41725.9	+1620.5	684	9.5	45316.5	+1623.3	774	8.7	51716.3	+1630.5
506	9.5	33638.2	+1625.1	596	9.4	41728.2	+1614.5	685	9.0	45332.3	+1637.0	775	7.0	51744.7	+1633.3
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509	9.3	33812.9	+1611.8	599	9.5	41811.9	+1611.4	688	8.8	45541.2	+1655.0	778	7.3	51816.6	+1605.6
510	9.5	33828.9	+1620.1	600	7.6	41812.1	+1649.3	689	9.2	45544.3	+1615.9	779	9.5	51817.4	+1620.7
511	9.5	33833.4	+1628.2	601	8.2	41819.1	+1625.4	690	9.4	45608.6	+1646.4	780	9.5	51841.3	+1644.9
512	8.4	33922.0	+1615.6	602	7.2	41831.6	+1642.1	691	8.9	45635.3	+1657.1	781	9.3	51847.4	+1617.3
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517	9.5	34213.8	+1604.5	607	9.5	42114.1	+1603.7	696	9.5	45829.6	+1604.7	786	8.0	52029.0	+1617.3
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1221	9.5	62901.3	+1636.9	1311	9.5	64306.0	+1628.4	1400	8.1	70102.2	+1647.0	1490	8.1	72111.4	+1627.7
1222	9.1	62909.1	+1640.8	1312	9.3	64329.0	+1610.6	1401	9.3	70110.3	+1623.0	1491	9.5	72128.8	+1631.6
1223	2.1	62921.4	+1631.3	1313	8.7	64330.9	+1647.3	1402	9.4	70114.8	+1600.2	1492	9.1	72210.9	+1640.7
1224	9.5	62921.5	+1636.9	1314	8.5	64344.2	+1611.2	1403	9.3	70126.4	+1625.6	1493	9.0	72211.4	+1620.1
1225	9.1	62923.5	+1622.3	1315	9.5	64344.4	+1616.5	1404	9.5	70131.7	+1652.4	1494	9.5	72241.0	+1651.0
1226	8.6	62933.1	+1605.8	1316	9.3	64358.5	+1654.9	1405	9.5	70136.4	+1634.0	1495	8.7	72245.5	+1655.0
1227	9.0	62945.2	+1655.9	1316a	9.5	64409.7	+1609.5	1406	9.5	70158.4	+1636.5	1496	9.5	72256.3	+1653.6
1228	9.3	62959.2	+1632.1	1317	9.2	64411.6	+1610.4	1407	9.5	70207.2	+1611.3	1497	9.0	72302.0	+1636.0
1229	9.4	63034.6	+1611.5	1318	9.3	64433.8	+1626.4	1408	9.0	70230.3	+1649.4	1498	9.5	72312.4	+1626.3
1230	9.4	63040.6	+1625.5	1319	9.5	64434.5	+1635.1	1409	9.5	70233.1	+1658.4	1499	9.5	72314.6	+1636.1
1231	9.5	63056.8	+1647.1	1320	9.3	64458.9	+1623.2	1410	9.5	70301.9	+1615.8	1500	9.1	72321.7	+1607.2
1232	9.5	63109.5	+1615.7	1321	9.3	64505.6	+1616.3	1411	9.1	70334.4	+1621.5	1501	9.5	72337.9	+1653.5
1233	8.9	63136.1	+1629.4	1322	9.5	64518.2	+1610.9	1412	9.5	70359.1	+1606.9	1502	8.9	72346.2	+1631.0
1234	9.4	63142.5	+1635.8	1323											

+16 1518 7h27m

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+16 1874 8h51m

+16 1875 8h51m

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1876	9.3	85154.3	+1607.2	1876	9.4	91951.8	+1609.7	2056	9.5	95208.7	+1606.5	2146	8.1	103114.9	+1644.1
1877	9.5	85207.7	+1623.5	1877	9.5	91955.2	+1611.8	2057	9.4	95211.6	+1628.8	2147	9.5	103121.5	+1620.5
1878	9.4	85226.7	+1620.0	1878	9.4	92019.6	+1644.7	2058	9.5	95233.6	+1652.0	2148	9.1	103147.2	+1605.3
1879	9.3	85243.0	+1642.2	1879	9.5	92037.4	+1626.3	2059	7.5	95239.6	+1633.3	2149	9.4	103147.9	+1638.9
1880	9.5	85256.2	+1640.6	1880	9.5	92044.2	+1631.5	2060	9.5	95257.6	+1638.8	2150	8.2	103149.6	+1646.4
1881	9.5	85300.0	+1643.7	1881	9.5	92051.4	+1630.7	2061	8.0	95327.5	+1623.1	2151	9.5	103220.7	+1621.3
1882	9.5	85310.8	+1604.3	1882	9.5	92116.6	+1641.5	2062	9.5	95330.3	+1627.3	2152	9.5	103319.2	+1645.1
1883	9.5	85322.6	+1658.5	1883	9.5	92122.4	+1625.3	2063	9.0	95409.1	+1638.5	2153	9.3	103412.2	+1637.7
1884	9.5	85344.4	+1628.0	1884	8.6	92123.5	+1600.8	2064	8.3	95409.5	+1603.5	2154	9.5	103432.7	+1618.2
1885	9.5	85347.4	+1621.1	1885	9.0	92141.0	+1658.8	2065	9.5	95419.8	+1632.0	2155	9.4	103450.7	+1610.7
1886	9.5	85415.0	+1640.6	1886	9.5	92157.7	+1605.9	2066	9.5	95435.0	+1654.8	2156	9.5	103534.1	+1611.8
1887	9.5	85428.3	+1639.4	1887	9.5	92208.9	+1631.6	2067	8.8	95437.4	+1644.6	2157	9.5	103551.7	+1638.9
1888	9.5	85454.2	+1610.2	1888	8.9	92221.6	+1604.8	2068	9.0	95444.4	+1613.8	2158	9.5	103636.6	+1605.3
1889	9.3	85500.1	+1655.1	1889	9.2	92235.6	+1602.7	2069	9.5	95505.7	+1657.2	2159	9.3	103804.9	+1652.8
1890	9.5	85516.4	+1639.7	1890	9.5	92301.5	+1640.6	2070	9.1	95517.8	+1659.9	2160	9.3	103822.7	+1640.2
1891	9.5	85520.7	+1604.4	1891	9.5	92315.7	+1639.9	2071	9.5	95556.6	+1622.0	2161	9.4	103838.2	+1638.8
1892	9.5	85526.4	+1621.1	1892	9.5	92318.0	+1635.0	2072	9.3	95557.3	+1655.0	2162	9.5	103903.5	+1635.9
1893	9.4	85607.4	+1624.9	1893	9.5	92338.7	+1605.1	2073	9.5	95600.7	+1601.3	2163	9.5	103916.7	+1636.1
1894	9.5	85622.5	+1629.1	1894	7.5	92339.7	+1625.2	2074	9.5	95719.3	+1606.2	2164	9.5	103961.5	+1640.2
1895	9.5	85624.5	+1659.7	1895	9.5	92422.6	+1652.7	2075	9.5	95735.4	+1649.0	2165	9.1	103966.7	+1612.7
1896	9.4	85701.7	+1638.8	1896	9.5	92444.4	+1627.9	2076	9.5	95747.8	+1635.4	2166	9.0	104002.7	+1615.8
1897	9.5	85712.6	+1603.7	1897	9.4	92504.9	+1630.1	2077	6.9	95748.9	+1626.7	2167	9.5	104053.0	+1623.7
1898	8.7	85718.7	+1629.1	1898	9.2	92507.5	+1622.5	2078	9.5	95834.5	+1626.7	2168	9.5	104057.7	+1623.7
1899	9.1	85726.8	+1628.1	1899	9.5	92521.4	+1643.2	2079	9.4	95856.9	+1608.3	2169	9.5	104125.7	+1647.8
1900	9.5	85739.0	+1603.0	1900	9.3	92533.4	+1612.2	2080	8.6	95946.7	+1659.9	2170	8.8	104138.8	+1637.2
1901	7.5	85808.0	+1626.3	1901	9.5	92552.4	+1659.9	2081	9.5	100024.6	+1625.5	2171	9.4	104150.6	+1611.8
1902	9.5	85815.7	+1625.3	1902	8.7	92554.2	+1608.0	2082	9.5	100037.0	+1612.6	2172	9.4	104200.4	+1613.8
1903	9.4	85836.4	+1628.7	1903	9.2	92558.2	+1609.7	2083	9.5	100038.3	+1656.4	2173	9.5	104210.6	+1614.5
1904	9.5	85841.4	+1619.1	1904	9.5	92650.4	+1603.1	2084	9.5	100039.1	+1652.4	2174	9.4	104247.2	+1616.6
1905	9.3	85841.5	+1654.2	1905	9.3	92731.6	+1654.8	2085	9.5	100055.3	+1624.8	2175	7.7	104319.3	+1649.2
1906	9.3	85857.2	+1608.9	1906	9.5	92744.4	+1644.6	2086	9.4	100131.0	+1650.5	2176	9.5	104328.2	+1627.2
1907	9.5	85903.4	+1655.1	1907	7.8	92908.1	+1654.1	2087	8.5	100142.8	+1603.9	2177	9.5	104339.3	+1659.2
1908	9.5	85944.4	+1641.2	1908	8.8	92911.4	+1608.8	2088	8.3	100150.9	+1638.9	2178	9.4	104342.0	+1600.9
1909	9.3	85953.8	+1651.6	1909	9.5	92916.6	+1601.7	2089	9.5	100151.9	+1617.0	2179	9.4	104410.7	+1658.1
1910	9.5	90028.4	+1610.4	1910	8.7	92942.0	+1606.5	2090	8.3	100249.4	+1645.2	2180	8.0	104419.8	+1651.7
1911	9.0	90123.9	+1623.5	1911	9.5	93052.4	+1639.8	2091	7.7	100251.3	+1625.8	2181	8.8	104429.0	+1656.1
1912	9.4	90133.6	+1640.6	1912	9.5	93113.7	+1613.8	2092	8.8	100316.2	+1613.4	2182	9.5	104505.0	+1649.4
1913	8.9	90133.6	+1640.6	1913	9.5	93148.8	+1636.6	2093	9.0	100436.9	+1634.8	2183	8.8	104515.7	+1634.3
1914	8.5	90145.2	+1602.8	1914	9.5	93207.7	+1641.4	2094	9.5	100449.5	+1659.2	2184	9.1	104607.2	+1627.5
1915	9.4	90204.8	+1657.1	1915	9.3	93211.5	+1659.2	2095	8.9	100521.4	+1657.4	2185	9.0	104614.6	+1658.1
1916	9.5	90220.6	+1619.4	1916	9.5	93221.4	+1614.2	2096	8.7	100527.0	+1603.9	2186	7.9	104823.8	+1655.2
1917	8.5	90225.8	+1611.4	1917	9.5	93241.9	+1641.1	2097	9.5	100554.4	+1608.7	2187	9.5	104830.0	+1603.7
1918	9.5	90312.9	+1605.0	1918	9.3	93242.1	+1656.0	2098	7.2	100640.6	+1651.8	2188	9.5	104917.3	+1602.8
1919	9.5	90317.5	+1658.3	1919	9.4	93315.0	+1649.8	2099	9.5	100641.4	+1635.2	2189	9.4	104930.2	+1623.5
1920	9.2	90323.6	+1610.4	1920	8.0	93348.9	+1624.9	2100	9.2	100645.1	+1657.0	2190	9.5	104951.2	+1624.0
1921	9.4	90347.1	+1647.6	1921	9.2	93415.6	+1656.4	2101	9.5	100704.6	+1652.3	2191	7.3	104957.7	+1631.9
1922	9.5	90348.9	+1622.2	1922	9.5	93507.6	+1628.8	2102	9.5	100708.4	+1639.0	2192	9.5	105004.7	+1621.8
1923	9.5	90413.4	+1618.3	1923	9.5	93513.5	+1658.3	2103	9.5	100713.4	+1625.1	2193	8.7	105030.0	+1615.5
1924	9.5	90432.4	+1634.2	1924	9.2	93514.9	+1624.3	2104	8.5	100809.4	+1607.6	2194	9.4	105031.6	+1603.5
1925	9.5	90525.5	+1602.8	1925	9.5	93633.6	+1628.8	2105	9.0	100846.0	+1644.5	2195	9.0	105036.7	+1626.8
1926	9.5	90534.4	+1607.3	1926	9.3	93718.4	+1655.5	2106	9.3	100925.4	+1614.1	2196	9.5	105049.2	+1651.4
1927	9.5	90539.9	+1646.8	1927	9.5	93731.2	+1621.1	2107	9.5	100930.1	+1639.3	2197	9.2	105053.3	+1652.9
1928	9.0	90622.2	+1644.0	1928	9.4	93740.4	+1600.5	2108	9.5	100934.4	+1626.2	2198	9.5	105120.2	+1603.8
1929	9.5	90639.9	+1602.7	1929	9.0	93810.8	+1653.6	2109	9.4	101103.3	+1637.5	2199	9.5	105136.5	+1641.2
1930	8.0	90654.0	+1635.1	1930	9.5	93816.1	+1625.6	2110	8.8	101149.8	+1629.3	2200	7.7	105140.7	+1619.8
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1932	9.2	90815.9	+1603.1	1932	9.0	93836.1	+1613.4	2112	8.9	101232.4	+1653.4	2202	9.0	105304.7	+1612.8
1933	9.5	90855.8	+1610.0	1933	9.5	93852.4	+1641.8	2113	9.4	101345.6	+1630.5	2203	9.2	105321.3	+1644.7
1934	9.5	90908.0	+1635.0	1934	9.3	93907.2	+1607.9	2114	9.2	101357.8	+1615.5	2204	9.5	105427.6	+1611.2
1935	9.5	90940.6	+1644.8	1935	9.4	93911.6	+1624.9	2115	9.5	101441.3	+1633.8	2205	9.1	105505.2	+1651.8
1936	9.4	90958.9	+1655.5	1936	8.7	93913.0	+1611.6	2116	7.3	101457.7	+1605.1	2206	8.7	105628.8	+1638.1
1937	9.2	91002.7	+1603.8	1937	9.5	93922.8	+1616.6	2117	9.5	101514.0	+1658.6	2207	9.4	105630.2	+1621.3
1938	9.3	91008.9	+1611.1	1938	9.5	93938.9	+1614.1	2118	9.5	101640.8	+1628.6	2208	9.2	105651.5	+1648.8
1939	9.5	91021.4	+1632.3	1939	9.3	94013.8	+1628.4	2119	9.4	101704.8	+1612.4	2209	9.5	105711.4	+1606.6
1940	9.5	91032.0	+1623.1	1940	9.2	94051.2	+1646.8	2120	9.2	101825.0	+1608.6	2210	9.5	105752.7	+1614.2
1941	9.5	91113.9	+1639.3	1941	9.5	94053.9	+1625.6	2121	9.2	101851.9	+1659.6	2211	9.5	105847.0	+1620.3
1942	9.5	91124.6	+1651.3	1942	8.4	94058.7	+1613.9	2122	7.5	101940.8	+1631.0	2212	9.1	105927.6	+1605.6
1943	9.2	91141.9	+1611.1	1943	9.5	94140.0	+1611.4	2123	7.0	102039.8	+1631.3	2213	9.5	105941.3	+1649.0
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1945	8.8	91159.2	+1633.2	1945	9.5	94204.9	+1618.3	2125	9.4	102140.0	+1656.7	2215	9.5	110044.3	+1651.2
1946	8.8	91203.4	+1605.0	1946	9.5	94205.2	+1610.0	2126	9.1	102209.9	+1600.7	2216	9.1	110050.2	+1633.4
1947	9.3	91219.4	+1607.6	1947	9.0	94233.8	+1659.6	2127	9.4	102306.3	+1640.0	2217	9.5	110053.4	+1604.5
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4033	9.3	194445.4	+1602.9	4122	8.7	195741.4	+1614.0	4211	9.4	201057.0	+1627.4	4301	9.5	202703.5	+1631.5
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4044	9.2	194610.2	+1657.8	4133	8.2	195849.5	+1624.4	4222	9.4	201220.2	+1656.6	4312	9.5	202848.8	+1639.1
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4054	9.4	194720.4	+1651.0	4143	9.5	195950.8	+1633.9	4232	9.5	201431.3	+1625.4	4322	8.9	203059.1	+1639.9
4055	9.2	194741.7	+1650.0	4144	9.2	195953.7	+1604.8	4233	9.2	201437.4	+1628.7	4323	9.4	203124.5	+1646.0
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4057	9.1	194750.6	+1649.5	4146	9.5	200034.3	+1602.9	4235	9.5	201505.7	+1603.7	4325	9.5	203155.5	+1607.8
4058	9.5	194752.7	+1621.7	4147	9.5	200043.5	+1653.0	4236	9.0	201532.2	+1659.3	4326	9.5	203159.2	+1622.1
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4072	9.4	195008.5	+1651.4	4161	9.5	200219.8	+1617.6	4250	8.2	201742.5	+1624.7	4340	9.5	203403.2	+1621.4
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4082	9.5	195131.5	+1624.9	4171	9.2	200413.3	+1630.5	4260	9.0	202011.8	+1627.8	4350	8.3	203622.8	+1635.3
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4748	8.6	222146.7	+1623.8	4838	8.7	224912.7	+1641.0	4927	9.3	231830.3	+1648.3	5017	9.5	234838.7	+1626.4
4749	9.3	222151.1	+1656.0	4839	9.5	224924.3	+1609.3	4928	7.8	231913.3	+1642.8	5018	9.4	234855.4	+1638.1
4750	9.4	222156.4	+1610.6	4840	9.5	224925.8	+1620.9	4929	9.3	232011.3	+1650.3	5019	9.1	234906.2	+1608.7
4751	9.5	222214.8	+1635.9	4841	9.3	224939.5	+1651.0	4930	9.5	232059.5	+1613.4	5020	9.5	234959.7	+1644.3
4752	8.7	222240.3	+1608.2	4842	8.3	225004.0	+1645.3	4931	9.4	232154.0	+1651.0	5021	9.3	235009.2	+1626.4
4753	8.5	222255.6	+1608.0	4843	9.3	225014.3	+1657.0	4932	8.3	232206.1	+1602.0	5022	9.5	235129.2	+1630.2
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4755	9.5	222306.7	+1611.4	4845	8.8	225016.2	+1654.1	4934	9.3	232221.3	+1619.7	5024	9.1	235225.4	+1603.9
4756	9.2	222319.3	+1609.5	4846	8.7	225103.5	+1634.1	4935	9.3	232225.7	+1650.5	5025	9.1	235238.2	+1638.4
4757	9.1	222341.9	+1621.4	4847	8.6	225141.8	+1616.6	4936	9.5	232245.7	+1650.5	5026	9.5	235307.5	+1618.1
4758	9.1	222351.2	+1631.5	4848	9.0	225253.2	+1637.0	4937	8.5	232333.5	+1645.2	5027	8.5	235324.7	+1611.8
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4760	9.3	222413.2	+1655.6	4849	9.0	225350.2	+1657.8	4939	9.0	232414.0	+1608.3	5029	9.4	235412.9	+1610.1
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4782	9.4	223133.4	+1651.9	4871	9.0	230038.0	+1634.8	4961	9.5	233219.7	+1621.2	8	9.5	00411.9	+1546.5
4783	8.0	223151.0	+1620.6	4872	9.5	230038.2	+1622.3	4962	9.4	233233.3	+1604.8	9	9.3	00506.4	+1534.0
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4796	9.5	223444.5	+1622.6	4885	9.5	230443.0	+1625.1	4975	9.1	233827.9	+1652.5	22	8.6	00732.1	+1524.8
4797	9.5	223456.7	+1634.7	4886	9.5	230446.7	+1633.4	4976	8.5	233832.2	+1621.5	23	9.3	00751.8	+1500.0
4798	9.3	223459.7	+1626.6	4887	9.3	230512.4	+1630.0	4977	9.5	233858.2	+1626.3	24	9.5	00751.9	+1555.1
4799	9.4	223502.2	+1653.8	4888	9.5	230653.0	+1637.2	4978	9.0	233901.7	+1621.8	25	9.3	00753.4	+1539.8
4800	9.5	223535.7	+1601.9	4889	9.5	230804.7	+1644.7	4979	9.5	233907.4	+1630.5	26	9.5	00817.2	+1504.3
4801	9.5	223564.0	+1628.4	4890	8.8	230914.3	+1644.8	4980	8.5	233909.5	+1616.6	27	9.3	00833.4	+1528.3
4802	7.9	223612.5	+1629.7	4891	9.1	230920.8	+1656.0	4981	9.5	233911.7	+1636.6	28	9.0	00846.7	+1551.3
4803	9.1	223615.9	+1606.4	4892	9.5	230931.7	+1632.4	4982	9.5	233926.8	+1654.9	29	9.2	00901.4	+1523.0
4804	9.3	223629.0	+1622.1	4893	9.0	230946.8	+1648.6	4983	8.0	233931.0	+1644.2	30	8.2	00905.8	+1501.9
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4807	9.3	223744.3	+1651.2	4896	8.0	231017.3	+1604.2	4986	7.7	234011.6	+1608.3	33	9.5	00943.3	+1516.1
4808	8.8	223744.5	+1634.8	4897	9.0	231021.3	+1623.8	4987	9.5	234020.8	+1643.7	34	9.3	00947.1	+1539.3
4809	8.5	223812.3	+1615.6	4898	8.3	231050.3	+1625.9	4988	9.2	234027.7	+1636.0	35	8.3	00953.0	+1542.3
4810	9.5	223823.0	+1658.1	4899	9.0	231103.5	+1639.7	4989	7.8	234030.2	+1617.4	36	8.8	01002.9	+1517.2
4811	8.9	223837.7	+1659.8	4900	7.8	231104.2	+1611.8	4990	8.0	234030.5	+1615.7	37	8.7	01009.4	+1549.3
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4813	9.4	223910.3	+1600.4	4902	9.0	231117.8	+1644.7	4992	9.5	234120.2	+1632.5	39	7.4	01019.3	+1532.1
4814	7.7	223957.0	+1628.6	4903	9.5	231134.0	+1633.1	4993	8.9	234137.7	+1629.5	40	9.5	01029.3	+1557.6
4815	9.5	224016.7	+1646.4	4904	8.5	231141.3	+1612.4	4994	9.5	234143.4	+1606.7	41	9.2	01049.4	+1538.8
4816	9.5	224120.3	+1618.2	4905	9.4	231220.5	+1605.1	4995	9.5	234152.1	+1608.7	42	9.0	01052.2	+1503.3
4817	9.5	224154.0	+1644.1	4906	8.5	231235.1	+1625.5	4996	9.5	234158.7	+1653.7	43	8.7	01113.3	+1510.7
4818	9.1	224213.5	+1621.4	4907	9.0	231239.7	+1655.7	4997	9.5	234203.6	+1649.5	44	9.5	01139.9	+1541.2
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4821	9.2	224314.8	+1626.5	4910	9.3	231315.0	+1647.2	5000	9.5	234228.2	+1632.3	47	7.0	01227.7	

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*15 422 2h52m

+15 423 2h53m

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424	9.5	25339.4	+1525.9	514	8.8	33116.1	+1521.4	604	9.2	40742.5	+1527.0	692	7.5	44228.5	+1558.1
425	8.3	25342.8	+1556.4	515	9.1	33131.3	+1542.3	605	9.4	40759.7	+1555.5	693	9.4	44245.8	+1505.4
426	9.5	25405.4	+1525.6	516	8.3	33149.6	+1553.0	606	9.5	40815.5	+1528.7	694	9.3	44303.6	+1549.3
427	9.5	25408.9	+1511.7	517	9.5	33231.1	+1502.5	607	7.1	40834.7	+1551.1	695	8.0	44306.6	+1511.6
428	9.5	25517.9	+1525.2	518	9.5	33249.9	+1548.1	608	9.5	40838.8	+1515.9	696	8.3	44307.0	+1538.0
429	9.5	25631.0	+1502.9	519	9.5	33313.7	+1546.2	609	9.0	41003.0	+1543.8	697	9.5	44340.5	+1529.3
430	6.5	25636.8	+1517.5	520	9.3	33328.2	+1545.7	610	9.5	41003.8	+1550.8	698	9.0	44530.7	+1530.4
431	9.5	25745.2	+1516.2	521	9.5	33414.9	+1553.9	611	9.5	41008.2	+1522.5	699	8.0	44537.4	+1540.9
432	9.5	25756.8	+1559.4	522	9.1	33415.2	+1521.0	612	3.8	41132.4	+1517.3	700	9.5	44627.0	+1552.5
433	9.2	25910.8	+1529.5	523	9.5	33454.8	+1545.5	612D	9.5	41200.2	+1548.7	701	9.4	44700.0	+1513.4
434	9.5	25913.5	+1534.6	524	7.9	33510.1	+1556.4	613*	9.5	41201.6	+1521.1	702	9.5	44746.4	+1517.9
435	9.5	25931.7	+1502.7	525	8.5	33540.8	+1534.1	614	9.1	41240.5	+1535.3	703	9.3	44814.0	+1555.0
436	9.2	25943.5	+1530.8	526	8.8	33603.8	+1558.1	615	8.9	41343.5	+1525.6	704	9.5	44823.7	+1528.3
437	9.5	30034.2	+1501.6	527	9.5	33626.7	+1510.9	616	9.5	41509.3	+1525.1	705	9.5	44843.9	+1503.6
438	8.6	30148.7	+1506.7	528	9.5	33719.0	+1512.0	617	9.5	41529.0	+1535.3	706	9.4	44859.0	+1510.6
439	9.5	30210.9	+1532.2	529	8.4	33723.4	+1548.3	618	9.5	41539.5	+1525.4	707	8.7	44953.7	+1534.2
440	9.5	30215.6	+1505.5	530	9.4	33739.7	+1552.6	619	9.5	41549.9	+1512.8	708	9.5	45022.5	+1534.7
441	9.5	30218.0	+1519.9	531	8.0	33808.0	+1554.5	620	9.4	41716.2	+1511.4	709	9.0	45023.7	+1524.1
442	8.0	30221.3	+1526.3	532	9.5	33911.8	+1521.2	621	6.8	41721.5	+1536.3	710	9.4	45030.4	+1529.5
443	9.2	30313.9	+1509.3	533	9.5	34013.7	+1525.6	622*	9.5	41720.2	+1517.5	711	9.4	45048.4	+1552.4
444	9.5	30318.1	+1540.7	534	8.2	34030.6	+1503.2	623	9.5	41749.2	+1540.8	712	9.5	45103.7	+1536.3
445	9.5	30339.2	+1533.0	535	8.5	34043.0	+1507.2	624	7.7	41750.3	+1510.9	713	7.0	45125.7	+1542.1
446	7.5	30350.6	+1535.4	536	9.4	34159.7	+1558.0	625	5.0	41805.6	+1516.8	714	9.2	45136.4	+1505.3
447	7.0	30418.0	+1557.4	537	8.5	34202.2	+1533.1	626	9.3	41918.2	+1541.5	715	9.5	45156.1	+1554.3
448	9.0	30430.2	+1535.8	538	9.3	34303.0	+1503.4	627	8.2	41920.5	+1515.5	716	9.3	45234.3	+1538.0
449	9.5	30547.1	+1515.0	539	9.5	34318.8	+1511.4	628	9.4	41930.1	+1506.2	717	9.5	45243.0	+1557.3
450	7.3	30603.3	+1502.5	540	9.2	34428.1	+1507.1	628a30.0	41941.0	+1542.9	718	9.5	45247.3	+1555.9	
451	9.5	30625.9	+1540.1	541	8.8	34428.8	+1531.7	629	9.5	41953.5	+1528.4	719	8.2	45303.7	+1533.3
452	8.5	30658.9	+1546.5	542	9.5	34457.2	+1510.5	630	8.7	42003.1	+1559.0	720	9.5	45308.0	+1554.0
453	8.5	30659.4	+1543.0	543	8.6	34504.4	+1508.5	631	4.0	42017.4	+1538.8	721	8.3	45309.5	+1500.7
454	8.9	30721.9	+1522.0	544	9.0	34536.5	+1539.7	632	4.0	42022.4	+1532.9	722	9.5	45318.3	+1503.3
455	9.5	30736.7	+1519.0	545	9.5	34544.0	+1526.2	633	6.5	42042.1	+1550.8	723	8.7	45343.4	+1558.3
456	9.5	30738.2	+1532.6	546	8.8	34544.1	+1511.0	634	9.5	42110.8	+1555.4	724	9.3	45353.4	+1528.7
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458	9.4	30828.2	+1503.6	548	9.5	34624.3	+1540.7	636	6.0	42152.8	+1519.0	726	9.4	45432.9	+1507.0
459	8.7	30835.5	+1506.5	549	9.5	34727.7	+1508.2	637	5.0	42215.4	+1552.7	727	9.5	45448.0	+1557.8
460	9.3	30855.0	+1559.9	550	9.3	34737.8	+1541.4	638	9.1	42218.1	+1524.6	728	9.3	45512.5	+1552.7
461	9.5	30858.6	+1505.5	551	9.5	34804.3	+1523.4	639	5.5	42223.8	+1523.1	729	9.4	45529.0	+1555.8
462	9.5	31003.1	+1537.2	552	9.4	34811.0	+1549.0	640	7.5	42229.4	+1548.9	730	9.5	45534.4	+1526.4
463	9.5	31022.1	+1511.7	553	9.5	34816.5	+1543.8	641	9.3	42239.1	+1527.6	731	9.3	45558.9	+1502.9
464	9.5	31101.1	+1516.5	554	9.5	34818.5	+1532.4	642	9.5	42254.8	+1537.0	732	5.3	45618.0	+1512.3
465	9.5	31104.1	+1532.4	555	8.4	34842.7	+1506.1	643	8.3	42305.4	+1529.4	733	9.0	45638.7	+1545.7
466	9.5	31141.5	+1553.0	556	9.4	34933.3	+1555.8	644	9.5	42308.7	+1548.0	734	9.5	45643.9	+1554.9
467	9.3	31156.1	+1526.4	557	8.4	34947.8	+1512.0	645	6.5	42334.4	+1531.7	735	8.0	45700.9	+1502.8
468	9.0	31157.2	+1506.5	558	9.3	35021.6	+1556.5	646	8.8	42432.5	+1541.6	736	9.2	45722.2	+1559.8
469	9.0	31209.3	+1553.4	559	9.5	35024.7	+1505.4	647	8.6	42441.8	+1530.2	737	9.5	45735.0	+1538.0
470	9.0	31222.8	+1548.6	560	9.3	35058.3	+1506.4	648	9.1	42509.5	+1539.1	738	9.4	45744.0	+1525.8
471	9.4	31243.6	+1541.0	561	8.8	35100.7	+1523.1	649	8.8	42521.8	+1539.3	739	9.4	45752.0	+1558.3
472	9.5	31308.6	+1503.5	562	9.4	35132.3	+1508.5	650	9.1	42615.0	+1531.3	740	9.3	45802.8	+1555.0
473	9.5	31413.6	+1529.1	563	9.5	35211.2	+1520.7	651	8.5	42619.8	+1511.4	741	8.6	45838.6	+1555.3
474	9.0	31445.5	+1550.2	564	9.3	35229.8	+1533.1	652	9.4	42648.6	+1500.0	742	7.8	45845.4	+1544.5
475	9.4	31449.2	+1516.0	565	7.7	35233.5	+1503.9	653	7.7	42716.5	+1552.1	743	9.5	45851.5	+1527.9
476	9.5	31529.1	+1533.1	566	9.5	35302.4	+1555.1	654	9.0	42746.5	+1522.5	744	9.5	45857.3	+1519.4
477	9.1	31531.3	+1510.8	567	9.3	35309.3	+1542.9	655	9.5	42812.4	+1551.8	745	9.5	45900.3	+1514.2
478	9.4	31616.3	+1546.6	568	9.5	35330.0	+1554.0	656	7.0	42823.8	+1533.9	746	9.4	45916.4	+1546.0
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480	9.2	31650.2	+1532.3	570	9.5	35343.8	+1555.3	658	9.5	42906.5	+1532.8	748	9.4	45940.9	+1524.2
481	8.0	31716.3	+1518.0	571	9.1	35358.6	+1506.8	659	8.8	42926.4	+1503.6	749	7.8	45947.8	+1539.9
482	9.4	31738.6	+1515.3	572	9.5	35448.3	+1549.3	660	9.5	42943.2	+1522.9	750	8.9	50079.2	+1502.4
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484	9.5	31854.7	+1502.0	574	9.0	35452.2	+1514.7	662	9.3	43002.0	+1509.4	752	5.0	50124.6	+1524.9
485	9.2	31932.6	+1525.3	575	9.5	35640.6	+1511.3	663	8.4	43002.5	+1512.8	753	9.0	50141.8	+1529.3
486	9.5	31935.0	+1507.7	576	9.0	35711.8	+1517.5	664	8.9	43042.5	+1514.8	754	9.5	50221.4	+1541.7
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488	9.5	32003.0	+1536.8	578	9.4	35722.9	+1506.6	666	5.3	43100.5	+1538.4	756	9.3	50238.2	+1532.0
489	9.5	32012.3	+1534.3	579	8.7	35729.0	+1520.0	667	9.3	43305.5	+1513.9	757	9.1	50308.7	+1554.8
490	9.5	32026.6	+1555.8	580	8.1	35743.3	+1506.1	668	9.4	43340.0	+1551.0	758	9.2	50316.7	+1527.0
491	9.5	32034.9	+1531.2	581	9.5	35800.0	+1546.7	669	8.0	43352.8	+1540.9	759	5.7	50322.6	+1551.5
492	9.5	32059.1	+1501.2	582	7.8	35802.0	+1517.8	670	7.5	43445.2	+1512.7	760	9.4	50337.6	+1512.9
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1141	9.5	60847.8	+1511.7	1231	9.1	62408.0	+1522.8	1321	9.4	63926.1	+1525.1	1410	8.8	65155.1	+1512.5
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1145	8.8	60936.5	+1546.3	1235	9.0	62440.1	+1516.9	1325	9.5	64013.2	+1553.3	1414	8.5	65202.5	+1559.6
1146	9.0	61005.0	+1512.5	1236	9.0	62450.7	+1555.7	1326	9.2	64014.9	+1548.5	1415	9.4	65206.9	+1509.0
1147	9.4	61005.5	+1530.0	1237	9.2	62507.9	+1529.3	1327	9.0	64018.3	+1575.9	1416	6.9	65207.3	+1529.3
1148	9.1	61009.6	+1536.2	1238	9.2	62520.1	+1517.8	1328	9.5	64023.4	+1512.4	1417	9.5	65217.2	+1500.7
1149	9.0	61011.4	+1542.5	1239	9.0	62535.3	+1509.7	1329	9.3	64053.8	+1553.1	1418	9.4	65219.7	+1556.7
1150	9.5	61034.9	+1554.1	1240	9.1	62549.5	+1503.2	1330	8.8	64056.1	+1554.5	1419	9.5	65245.0	+1531.4
1151	9.5	61046.3	+1520.4	1241	9.3	62603.4	+1548.7	1331	9.3	64117.4	+1537.2	1420	9.5	65247.8	+1539.9
1152	9.5	61114.0	+1502.2	1242	9.3	62611.3	+1511.2	1332	9.0	64121.2	+1502.5	1421	9.2	65251.3	+1551.6
1153	9.5	61118.6	+1506.9	1243	9.3	62628.9	+1503.4	1333	9.3	64126.0	+1553.1	1422	9.5	65258.3	+1546.0
1154	9.3	61134.7	+1553.9	1244	8.6	62629.1	+1511.1	1334	9.1	64131.6	+1506.8	1423	8.5	65300.1	+1526.0
1155	9.4	61135.4	+1532.2	1245	9.4	62634.9	+1528.8	1335	9.5	64149.5	+1543.3	1424	8.9	65302.2	+1540.6
1156	9.5	61141.6	+1554.2	1246	30.0	62639.0	+1526.6	1336	9.3	64154.0	+1543.3	1425	9.0	65312.8	+1523.6
1157	9.5	61156.9	+1504.4	1247	9.4	62701.0	+1539.8	1336a	9.5	64203.1	+1542.8	1426	9.3	65316.0	+1507.4
1158	9.5	61220.8	+1524.8	1248	9.5	62703.7	+1502.4	1337	9.4	64203.4	+1522.4	1427	8.5	65322.0	+1522.8
1159	8.8	61222.7	+1545.5	1249	8.7	62706.4	+1549.2	1338	9.2	64207.8	+1549.0	1428	9.4	65335.5	+1525.4
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1162	9.5	61250.0	+1557.8	1252	9.3	62734.5	+1530.8	1341	9.0	64235.5	+1557.7	1431	6.0	65400.3	+1532.4
1163	9.5	61319.1	+1508.4	1253	9.5	62738.1	+1527.4	1342	8.6	64235.7	+1507.8	1432	9.5	65416.5	+1520.2
1164	9.5	61319.5	+1524.6	1254	9.4	62758.1	+1543.9	1343	9.5	64240.2	+1542.3	1433	9.3	65430.1	+1502.5
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1166	9.4	61328.8	+1535.0	1256	9.5	62836.8	+1553.3	1345	9.4	64244.0	+1551.9	1435	8.6	65442.2	+1528.1
1167	9.4	61332.7	+1546.1	1257	9.5	62906.0	+1558.9	1346	8.6	64247.9	+1522.0	1436	9.0	65459.9	+1544.7
1168	9.1	61334.9	+1533.1	1258	9.5	62906.7	+1537.8	1347	7.3	64257.4	+1514.6	1437	9.0	65500.0	+1527.5
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1170	9.3	61411.6	+1505.4	1260	8.8	62924.2	+1532.3	1349	9.5	64347.2	+1511.4	1439	9.5	65515.3	+1520.5
1171	9.1	61417.8	+1537.4	1261	8.5	62924.5	+1517.3	1350	9.3	64413.6	+1517.7	1440	9.5	65527.6	+1500.5
1172	9.5	61424.1	+1552.7	1262	8.6	62928.8	+1508.9	1351	9.5	64421.0	+1540.9	1441	9.2	65538.7	+1531.2
1173	8.4	61448.6	+1554.6	1263	8.2	62936.5	+1552.8	1352	9.5	64425.2	+1502.5	1442	9.0	65540.8	+1528.1
1174	9.5	61452.6	+1553.9	1264	9.3	62955.0	+1538.5	1353	9.5	64431.6	+1544.2	1443	9.0	65600.8	+1505.3
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1177	9.1	61511.4	+1539.7	1267	8.9	63033.1	+1521.9	1356	8.9	64440.1	+1547.7	1446	9.0	65611.2	+1545.5
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1179	8.8	61527.8	+1502.8	1269	8.7	63048.3	+1515.3	1358	8.7	64450.1	+1514.9	1448	9.5	65618.0	+1505.6
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1181	7.9	61551.4	+1555.5	1271	8.8	63130.6	+1555.1	1360	9.2	64528.5	+1541.7	1450	9.5	65623.0	+1527.0
1182	9.5	61606.0	+1515.8	1272	8.7	63139.2	+1513.0	1361	9.3	64531.1	+1527.3	1451	9.5	65632.6	+1550.3
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1185	9.2	61659.0	+1526.0	1275	9.0	63151.5	+1549.0	1364	9.5	64559.3	+1523.7	1454	9.2	65649.6	+1532.3
1186	9.5	61716.7	+1536.9	1276	9.5	63208.3	+1510.0	1365	9.5	64559.3	+1523.8	1455	9.5	65650.3	+1541.6
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1190	9.5	61736.4	+1506.0	1280	9.4	63246.9	+1554.8	1369	9.5	64657.5	+1507.5	1459	8.7	65737.5	+1508.5
1191	7.2	61742.5	+1513.7	1281	7.8	63304.4	+1533.4	1370	8.4	64701.5	+1551.5	1460	9.3	65739.1	+1558.6
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1206	9.5	61957.8	+1504.1	1296	9.2	63532.8	+1537.0	1385	8.7	64846.0	+1546.6	1475	9.5	65950.8	+1536.3
1207	9.5	61956.2	+1557.1	1297	9.3	63537.2	+1541.9	1386	9.3	64846.6	+1555.6	1476	7.7	65953.7	+1545.2
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1211	9.3	62054.8	+1532.5	1301	9.5	63558.0	+1545.3	1390	9.5	64940.9	+1549.5	1480	9.0	70035.0	+1552.1
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1213	9.3	62107.0	+1544.1	1303	9.5	63615.5	+1541.8	1392	9.5	65013.6	+1531.8	1482	8.1	70049.9	+1540.1
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+15 1858 8h29m

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+15 1859 8h29m

+15 2217 10h24m

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2573 9.2 131822.9 +1553.6
2574 9.5 131829.7 +1509.5
2575 9.1 131854.2 +1529.7

+15 2576 13h18m

+15 2933 15h49m

2576 8.5 131859.6 +1506.2	2665 9.5 135949.0 +1529.0	2755 9.5 143751.4 +1521.1	2845 7.3 151319.5 +1504.6
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2626 9.2 133934.2 +1556.0	2716 9.3 142102.4 +1547.0	2806 9.0 145501.7 +1541.2	2895 9.0 153207.5 +1526.4
2627 8.5 134018.0 +1549.8	2717 9.3 142106.9 +1525.6	2807 8.8 145521.6 +1551.8	2896 9.5 153237.0 +1544.3
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+15 2934 15h50m

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+15 4013 19h53m

+15 4367 21h05m

4013	9.1	195327.9	+1552.5	4103	9.3	200806.8	+1503.4	4193	8.9	202616.4	+1525.0	4279	9.5	204551.9	+1547.5
4014	9.5	195346.0	+1516.2	4104	9.5	200815.8	+1513.4	4194	9.4	202621.1	+1521.0	4280	9.4	204558.7	+1503.1
4015	9.5	195349.8	+1551.2	4105	8.8	200819.6	+1516.0	4195	8.7	202625.6	+1531.8	4281	7.0	204628.8	+1547.8
4016	9.5	195354.6	+1503.7	4106	9.4	200825.4	+1537.0	4196	9.5	202635.0	+1504.3	4282	9.0	204638.2	+1557.0
4017	9.5	195412.1	+1531.0	4107	8.7	200841.6	+1555.6	4197	9.2	202636.5	+1524.2	4282a	9.5	204641.8	+1556.3
4018	8.6	195421.6	+1537.6	4108	9.4	200852.6	+1507.9	4198	9.5	202658.3	+1504.5	4283	8.8	204642.3	+1544.0
4019	9.3	195425.6	+1519.7	4109	9.5	200858.7	+1500.5	4199	8.2	202708.8	+1516.8	4284	9.2	204659.3	+1505.2
4020	7.6	195428.9	+1505.0	4110	9.0	200913.7	+1552.6	4199a	9.5	202715.2	+1513.7	4285	9.5	204716.8	+1528.9
4021	8.9	195430.7	+1547.0	4111	9.4	200934.0	+1523.7	4200	9.5	202724.8	+1530.1	4286	8.9	204734.7	+1549.2
4022	9.5	195502.2	+1507.1	4112	9.5	200939.0	+1544.5	4201	7.5	202725.3	+1520.0	4287	8.7	204740.3	+1532.0
4023	9.5	195523.5	+1511.3	4113	9.2	200956.5	+1533.5	4202	9.4	202811.8	+1549.4	4288	9.1	204750.4	+1526.1
4024	9.4	195551.5	+1556.1	4114	9.5	200957.3	+1541.5	4203	9.5	202822.3	+1514.0	4289	9.4	204803.3	+1515.3
4025	9.1	195551.9	+1549.7	4115	9.0	201011.7	+1506.9	4204	9.5	202824.0	+1503.0	4290	9.5	204804.3	+1501.9
4026	7.0	195558.1	+1514.4	4116	9.5	201013.7	+1559.1	4205	9.0	202844.3	+1525.4	4291	9.5	204818.5	+1501.9
4027	9.3	195600.8	+1511.0	4117	9.5	201014.3	+1525.1	4206	9.0	202848.1	+1531.6	4292	9.4	204907.7	+1556.9
4028	9.5	195618.3	+1552.6	4118	9.4	201015.6	+1554.2	4207	9.0	202856.6	+1543.2	4293	9.5	204924.7	+1554.6
4029	8.6	195622.8	+1503.9	4119	9.1	201020.8	+1511.2	4208	9.3	202901.3	+1557.7	4294	9.3	204934.4	+1551.9
4030	9.0	195642.3	+1521.2	4120	7.2	201030.3	+1525.4	4209	9.5	202909.9	+1524.7	4295	9.0	204947.8	+1510.2
4031	9.1	195644.4	+1548.0	4121	9.3	201034.0	+1538.6	4210	9.2	202910.3	+1506.2	4296	9.3	205022.8	+1518.3
4032	8.5	195646.9	+1503.4	4122	9.5	201054.1	+1518.5	4211	9.3	202922.5	+1510.8	4297	7.3	205025.8	+1541.3
4033	5.0	195652.3	+1538.4	4123	9.4	201054.4	+1510.6	4212	9.3	202954.1	+1549.8	4298	9.4	205119.0	+1505.2
4034	9.5	195730.4	+1508.9	4124	8.6	201117.4	+1533.8	4213	9.3	202956.0	+1506.8	4299	9.0	205144.4	+1532.2
4035	9.5	195742.4	+1536.3	4125	9.3	201147.4	+1514.7	4214	9.0	203006.6	+1534.3	4300	7.2	205148.2	+1552.2
4036	9.5	195755.0	+1552.7	4126	9.4	201147.7	+1511.7	4215	9.4	203052.8	+1529.2	4301	9.3	205157.9	+1506.8
4037	9.3	195803.1	+1534.4	4127	9.5	201156.4	+1501.3	4216	9.5	203057.4	+1557.4	4302	8.0	205201.3	+1551.3
4038	6.5	195808.1	+1530.9	4128	7.7	201250.4	+1505.2	4217	9.5	203111.6	+1526.2	4303	9.4	205226.3	+1552.8
4039	9.3	195813.6	+1549.1	4129	9.0	201255.3	+1528.4	4218	9.4	203112.6	+1510.1	4304	7.7	205229.4	+1500.7
4040	6.0	195846.1	+1505.7	4130	9.3	201256.2	+1555.7	4219	9.5	203122.3	+1542.0	4305	9.5	205332.3	+1506.5
4041	8.8	195846.1	+1555.8	4131	9.3	201257.6	+1549.1	4220	6.0	203221.4	+1521.2	4306	8.0	205357.3	+1529.7
4042	9.0	195933.6	+1541.6	4132	9.4	201304.6	+1523.0	4221	9.5	203230.8	+1504.2	4307	8.8	205430.0	+1519.0
4043	8.0	195946.8	+1550.5	4133	8.7	201306.3	+1550.6	4222	3.5	203255.1	+1526.0	4308	9.0	205434.6	+1553.1
4044	9.1	200004.4	+1557.9	4134	9.5	201309.8	+1524.3	4223	9.4	203308.4	+1517.8	4309	9.5	205441.4	+1525.9
4045	9.0	200011.8	+1549.5	4135	9.4	201331.5	+1551.1	4224	9.5	203318.3	+1546.0	4310	9.5	205502.4	+1557.5
4046	9.5	200030.1	+1503.7	4136	9.5	201333.3	+1513.6	4225	9.4	203332.7	+1524.6	4311	9.5	205515.6	+1550.6
4047	7.0	200041.6	+1539.1	4137	7.0	201333.7	+1515.4	4226	8.5	203338.6	+1514.5	4312	9.5	205517.8	+1554.6
4048	9.2	200059.7	+1520.5	4138	8.2	201358.6	+1513.3	4227	7.3	203351.2	+1508.0	4313	9.5	205522.7	+1521.7
4049	9.0	200107.3	+1545.7	4139	8.6	201412.1	+1511.3	4228	9.1	203352.7	+1528.4	4314	9.2	205527.1	+1511.7
4050	9.5	200111.8	+1508.4	4140	9.0	201503.7	+1515.7	4229	9.0	203513.3	+1515.3	4315	9.5	205540.2	+1505.0
4051	9.5	200114.5	+1505.6	4141	9.5	201522.4	+1511.3	4230	9.3	203519.9	+1522.5	4316	9.5	205549.1	+1554.8
4052	9.2	200118.2	+1556.0	4142	8.5	201533.3	+1555.6	4231	9.2	203537.4	+1535.4	4317	6.9	205600.8	+1524.6
4053	8.3	200121.0	+1545.0	4143	9.0	201533.9	+1551.8	4232	8.8	203554.8	+1536.1	4318	8.7	205608.2	+1539.2
4054	9.0	200125.4	+1523.7	4144	8.5	201538.6	+1547.4	4233	9.4	203612.0	+1531.2	4319	9.4	205613.3	+1547.3
4055	9.2	200135.4	+1559.7	4145	9.5	201602.2	+1504.2	4234	9.5	203629.8	+1520.6	4320	7.8	205614.0	+1511.6
4056	9.5	200139.3	+1550.8	4146	9.4	201615.4	+1537.0	4235	9.1	203650.9	+1548.9	4321	9.5	205644.4	+1553.2
4057	7.8	200147.9	+1516.1	4147	9.1	201700.3	+1537.3	4236	9.3	203705.1	+1542.9	4322	9.5	205711.2	+1507.5
4058	9.4	200148.1	+1522.1	4148	6.8	201714.1	+1539.3	4237	9.5	203715.0	+1546.4	4323	9.5	205730.9	+1517.5
4059	9.0	200155.2	+1527.8	4149	9.3	201746.6	+1516.1	4238	9.5	203727.9	+1523.0	4324	9.5	205830.9	+1530.8
4060	9.4	200201.3	+1526.5	4150	8.1	201747.6	+1516.1	4239	9.3	203728.1	+1549.5	4325	8.7	205908.9	+1513.5
4061	9.5	200205.5	+1536.3	4151	9.3	201748.8	+1529.5	4240	9.1	203753.3	+1508.7	4326	9.5	205913.7	+1556.7
4062	9.5	200211.2	+1534.2	4152	7.3	201754.9	+1540.9	4241	9.5	203809.0	+1553.2	4327	9.5	205916.1	+1559.8
4063	8.2	200228.8	+1539.9	4153	9.5	201813.9	+1504.9	4242	9.1	203814.5	+1552.8	4328	9.5	205921.5	+1531.7
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4069	9.4	200313.2	+1552.8	4159	9.4	201859.9	+1502.9	4247	9.5	203851.3	+1520.5	4334	9.5	210018.6	+1559.0
4070	9.3	200329.8	+1510.6	4160	9.5	201911.9	+1526.7	4248	9.5	203857.6	+1505.2	4335	9.0	210022.9	+1542.7
4071	7.8	200346.9	+1535.7	4161	9.4	201923.3	+1518.8	4249	9.5	203912.4	+1524.7	4336	9.5	210024.7	+1517.1
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+14 1226 6h08m

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1249 8.5	61200.1	+1445.3	1339 6.0	62522.5	+1415.4	1429 9.5	63833.0	+1414.1	1519 8.6	65114.2	+1430.7
1250 9.5	61210.6	+1410.8	1340 9.0	62523.6	+1421.4	1430 9.3	63834.6	+1457.8	1520 9.3	65126.9	+1409.8
1251 9.1	61223.9	+1431.7	1341 9.1	62524.8	+1402.7	1431 9.2	63838.9	+1459.2	1521 9.5	65133.5	+1455.0
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1265 9.5	61456.5	+1435.0	1355 9.4	62836.3	+1409.7	1445 7.9	64001.2	+1445.0	1535 8.5	65406.5	+1452.1
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1275 9.4	61533.0	+1451.0	1365 8.9	62922.0	+1448.0	1455 9.2	64129.6	+1445.7	1545 8.5	65541.3	+1453.2
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+14 1944 8h32m

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+14 1945 8h32m

1945	9.0	83220.7	+1454.7	2035	9.5	90043.2	+1436.5	2124	9.5	93054.1	+1430.3	2213	9.5	100223.5	+1446.8
1946	8.0	83231.8	+1453.3	2036	9.5	90146.6	+1404.6	2125	9.5	93159.9	+1420.3	2214	9.5	100242.5	+1431.1
1947	9.5	83233.8	+1404.1	2037	9.5	90212.3	+1454.7	2126	9.5	93224.9	+1424.6	2215	9.5	100303.9	+1451.0
1948	9.2	83236.8	+1420.8	2038	9.5	90220.6	+1448.4	2127	8.8	93229.5	+1438.8	2216	9.2	100311.6	+1411.0
1949	9.5	83237.3	+1411.8	2039	9.0	90222.1	+1419.7	2128	9.1	93243.5	+1420.3	2217	7.0	100350.9	+1404.0
1950	9.5	83249.9	+1436.9	2040	9.0	90224.9	+1414.3	2129	9.3	93303.5	+1453.1	2218	9.0	100400.0	+1406.3
1951	9.3	83249.9	+1433.8	2041	8.9	90242.6	+1451.0	2130	9.1	93310.9	+1446.8	2219	9.0	100403.8	+1447.8
1952	9.5	83259.5	+1425.7	2042	9.4	90316.8	+1451.7	2131	8.6	93418.9	+1411.6	2220	9.5	100416.2	+1427.6
1953	9.5	83322.3	+1401.4	2043	9.2	90340.3	+1456.9	2132	9.5	93502.5	+1424.9	2221	9.0	100607.7	+1435.6
1954	9.5	83332.8	+1405.5	2044	9.5	90400.6	+1406.2	2133	8.8	93510.9	+1447.5	2222	9.3	100626.2	+1403.9
1955	9.5	83339.3	+1455.0	2045	9.5	90414.0	+1448.9	2134	7.3	93543.6	+1406.3	2223	9.5	100654.5	+1407.5
1956	9.0	83346.3	+1415.3	2046	9.5	90514.1	+1437.9	2135	8.6	93547.5	+1423.1	2224	9.5	100704.5	+1407.5
1957	9.2	83409.3	+1417.0	2047	9.5	90548.2	+1408.2	2136	6.0	93549.6	+1440.5	2225	9.0	100802.3	+1410.3
1958	9.5	83425.1	+1404.6	2048	8.8	90549.6	+1447.5	2137	8.8	93552.2	+1427.8	2226	9.5	100830.4	+1433.4
1959	8.8	83432.3	+1429.4	2049	9.5	90552.7	+1403.2	2138	9.2	93553.5	+1432.3	2227	9.5	100849.1	+1409.7
1960	9.5	83451.3	+1437.7	2050	9.4	90554.5	+1451.5	2139	8.8	93811.8	+1407.2	2228	5.7	100853.7	+1427.9
1961	9.3	83511.1	+1410.3	2051	9.5	90607.5	+1415.0	2140	9.5	93818.9	+1419.6	2229	9.5	101039.2	+1439.8
1962	7.9	83511.3	+1438.3	2052	9.5	90613.7	+1403.2	2141	9.0	93833.5	+1419.2	2230	8.3	101039.2	+1439.8
1963	8.7	83550.8	+1407.4	2053	9.5	90709.0	+1427.2	2142	9.5	93852.3	+1449.2	2231	9.5	101113.5	+1433.4
1964	8.5	83604.3	+1417.1	2054	9.2	90711.3	+1446.2	2143	9.0	93906.0	+1448.7	2232	9.0	101204.0	+1454.4
1965	9.5	83616.8	+1458.5	2055	9.5	90800.0	+1458.8	2144	9.2	93911.0	+1438.7	2233	9.0	101206.2	+1410.8
1966	9.3	83617.5	+1411.1	2056	9.5	90802.7	+1409.0	2145	9.5	93928.5	+1420.0	2234	9.5	101432.2	+1435.8
1967	8.5	83622.2	+1456.4	2057	8.3	90807.6	+1444.1	2146	9.2	93942.5	+1458.9	2235	9.5	101456.1	+1442.9
1968	9.5	83703.7	+1434.3	2058	9.2	90825.8	+1432.7	2147	8.2	93959.0	+1409.7	2236	9.0	101528.2	+1458.7
1969	9.4	83720.2	+1458.4	2059	9.4	90932.9	+1454.8	2148	9.5	94028.8	+1459.3	2237	8.7	101539.9	+1438.4
1970	9.2	83758.8	+1453.5	2060	9.5	90942.1	+1455.1	2149	9.5	94039.5	+1446.4	2238	9.5	101540.0	+1440.1
1971	7.8	83808.8	+1435.6	2061	9.5	90948.6	+1428.9	2150	9.5	94055.5	+1455.5	2239	9.5	101616.8	+1444.1
1972	9.5	83858.3	+1420.4	2062	8.8	90951.5	+1415.4	2151	8.2	94100.2	+1427.6	2240	9.0	101701.7	+1418.8
1973	9.5	83900.3	+1415.3	2063	9.5	91011.8	+1446.2	2152	9.3	94135.2	+1421.0	2241	9.3	101706.1	+1449.5
1974	8.6	83931.2	+1441.6	2064	9.4	91037.2	+1433.8	2153	9.4	94150.3	+1424.2	2242	9.5	101805.3	+1441.0
1975	9.5	83941.8	+1435.3	2065	9.5	91042.0	+1459.6	2154	8.8	94217.9	+1416.1	2243	8.9	101846.2	+1459.5
1976	9.5	84026.3	+1437.4	2066	9.3	91048.4	+1437.1	2155	9.4	94226.7	+1406.3	2244	7.8	101900.7	+1422.5
1977	9.1	84040.3	+1421.5	2067	9.5	91050.7	+1403.7	2156	9.5	94250.6	+1456.8	2245	9.4	101922.3	+1449.3
1978	9.5	84053.2	+1409.1	2068	8.8	91051.6	+1415.7	2157	8.2	94257.7	+1447.5	2246	9.5	101930.4	+1409.7
1979	9.5	84117.4	+1434.0	2069	9.5	91136.8	+1453.5	2158	9.5	94330.2	+1421.0	2247	9.5	102010.5	+1457.4
1980	9.0	84143.3	+1428.2	2070	9.0	91140.7	+1408.7	2159	9.5	94355.3	+1452.6	2248	9.5	102015.6	+1454.1
1981	9.3	84227.7	+1455.6	2071	9.2	91140.8	+1405.7	2160	9.4	94550.5	+1441.9	2249	9.2	102018.3	+1450.0
1982	9.3	84228.3	+1437.1	2072	9.3	91201.1	+1455.0	2161	9.5	94615.5	+1419.3	2250	9.5	102058.2	+1425.3
1983	9.5	84245.8	+1422.2	2073	9.2	91205.3	+1440.9	2162	9.5	94636.5	+1429.4	2251	7.8	102058.7	+1401.5
1984	9.5	84341.6	+1408.5	2074	9.4	91215.4	+1406.3	2163	9.5	94700.0	+1448.5	2252	8.8	102202.2	+1454.1
1985	9.4	84413.8	+1456.1	2075	9.5	91222.0	+1408.3	2164	9.4	94825.9	+1445.3	2253	9.5	102203.9	+1411.1
1986	9.2	84417.8	+1437.8	2076	9.5	91245.0	+1406.7	2165	9.5	94834.9	+1443.5	2254	9.5	102252.9	+1455.7
1987	8.9	84457.3	+1431.7	2077	9.5	91247.0	+1404.8	2166	8.8	94845.2	+1431.7	2255	6.0	102428.2	+1452.9
1988	7.7	84540.6	+1457.2	2078	9.5	91321.7	+1406.6	2167	9.5	94940.9	+1440.4	2256	9.5	102448.3	+1420.5
1989	6.8	84544.8	+1423.6	2079	9.3	91322.0	+1459.6	2168	9.0	94944.5	+1417.8	2257	9.0	102532.7	+1436.1
1990	8.9	84618.7	+1458.0	2080	9.5	91351.8	+1452.8	2169	9.5	94948.5	+1444.3	2258	9.5	102539.2	+1446.0
1991	9.0	84619.1	+1421.7	2081	9.1	91351.9	+1432.4	2170	8.5	95002.6	+1417.1	2259	9.5	102543.9	+1424.4
1992	8.2	84624.3	+1446.4	2082	9.5	91458.2	+1428.5	2171	9.1	95014.5	+1436.6	2260	9.2	102552.9	+1452.3
1993	9.4	84639.3	+1448.8	2083	9.0	91505.9	+1447.9	2172	9.2	95020.4	+1446.3	2261	8.8	102713.7	+1420.7
1994	8.8	84646.3	+1406.2	2084	9.5	91522.0	+1406.8	2173	9.5	95025.5	+1430.3	2262	9.3	102721.7	+1426.9
1995	9.4	84659.8	+1418.4	2085	8.9	91530.8	+1428.2	2174	9.5	95045.0	+1404.1	2263	9.5	102732.2	+1417.7
1996	7.8	84736.8	+1444.3	2086	9.0	91601.8	+1449.2	2175	9.3	95127.1	+1432.4	2264	9.4	102758.8	+1453.8
1997	9.5	84809.2	+1456.1	2087	8.7	91603.2	+1400.4	2176	9.5	95132.0	+1445.1	2265	9.1	102805.2	+1424.3
1998	9.5	84835.0	+1414.0	2088	9.2	91627.9	+1449.1	2177	9.5	95137.6	+1428.1	2266	7.6	102830.2	+1433.3
1999	9.5	84847.9	+1459.8	2089	9.5	91645.7	+1422.4	2178	9.4	95145.2	+1431.0	2267	9.4	102838.4	+1403.8
2000	9.0	84848.5	+1455.1	2090	9.2	91701.4	+1456.1	2179	9.5	95152.5	+1428.5	2268	9.5	102848.5	+1450.0
2001	9.5	84859.3	+1455.4	2091	9.5	91706.4	+1403.9	2180	9.5	95159.0	+1407.5	2269	7.8	102901.9	+1448.0
2002	9.2	84924.2	+1442.3	2092	9.0	91723.1	+1449.1	2181	9.5	95207.6	+1441.6	2270	9.5	102917.2	+1416.7
2003	9.2	84933.1	+1445.9	2093	9.5	91754.6	+1405.3	2182	9.0	95209.2	+1455.9	2271	9.1	102920.2	+1456.1
2004	9.5	85008.3	+1456.0	2094	9.5	91845.8	+1400.0	2183	9.5	95246.6	+1454.1	2272	9.3	102935.2	+1445.4
2005	9.5	85027.5	+1413.5	2095	7.2	91859.6	+1454.7	2184	9.5	95247.5	+1458.9	2273	8.8	103021.2	+1452.6
2006	9.5	85031.6	+1447.0	2096	9.5	91922.6	+1415.7	2185	9.5	95302.5	+1435.3	2274	9.1	103025.2	+1418.4
2007	8.3	85045.6	+1448.3	2097	8.2	92000.4	+1423.3	2186	8.3	95319.6	+1442.3	2275	8.5	103042.7	+1442.6
2008	9.5	85121.5	+1432.1	2098	9.5	92121.0	+1405.6	2187	9.0	95332.5	+1437.7	2276	9.4	103050.7	+1432.3
2009	9.5	85125.2	+1456.5	2099	9.5	92128.2	+1430.1	2188	9.0	95343.6	+1430.8	2277	8.5	103100.6	+1446.8
2010	9.5	85146.9	+1438.0	2100	9.5	92133.1	+1406.0	2189	9.5	95352.3	+1406.1	2278	9.2	103131.4	+1442.8
2011	9.4	85203.1	+1429.8	2101	9.5	92137.8	+1403.8	2190	9.5	95411.6	+1424.1	2279	9.5	103215.3	+1413.2
2012	9.1	85212.1	+1424.5	2102	7.7	92246.8	+1407.7	2191	9.1	95421.5	+1439.4	2280	9.2	103251.1	+1418.2
2013	9.2	85229.5	+1444.6	2103	9.1	92253.7	+1408.0	2192	9.5	95446.7	+1437.3	2281	8.0	103354.2	+1444.0
2014	9.5	85232.0	+1428.0	2104	8.6	92303.6	+1407.3	2193	8.8	95502.8	+1450.4	2282	9.5	103400.6	+1416.7
2015	9.5	85345.4	+1414.9	2105	9.5	92347.8	+1402.6	2194	7.7	95547.7	+1410.0	2283	9.0	103408.7	+1441.0
2016	9.5	85424.5	+1411.3	2106	9.3	92427.4	+1433.4	2195	9.5	95626.9	+1441.2	2284	8.5	103414.2	+1431.2
2017	9.5	85507.8	+1429.3	2107	9.0	92432.7	+1429.5	2196	9.5	95629.1	+1448.2	2285	8.5	103422.8	+1412.9
2018	8.0	85517.6	+1444.9	2108	9.5	92433.8	+1422.8	2197	8.2	95637.5	+1417.8	2286	9.5	10344	

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2661	9.5	133934.0	+1453.6	2751	9.0	142634.0	+1452.8	2841	9.5	150215.9	+1453.8	2931	9.5	153923.6	+1425.6
2662	9.3	133939.9	+1411.1	2752	9.5	142718.4	+1453.8	2842	9.5	150310.2	+1401.4	2932	9.5	153932.2	+1454.7
2663	8.5	134100.0	+1422.9	2753	9.5	142742.3	+1456.5	2843	8.9	150410.2	+1448.6	2933	9.1	153932.4	+1413.6
2664	7.8	134101.2	+1404.0	2754	8.7	142743.2	+1412.8	2844	9.5	150430.1	+1414.0	2934	9.1	153934.3	+1413.9
2665	9.3	134210.2	+1422.9	2755	9.5	142900.8	+1438.5	2845	9.2	150520.3	+1454.4	2935	8.1	153937.2	+1410.7
2666	9.3	134218.0	+1430.8	2756	9.2	142910.7	+1419.0	2846	9.5	150523.2	+1405.6	2936	8.8	154002.8	+1457.1
2667	9.3	134230.5	+1419.5	2757	9.0	142941.4	+1459.3	2847	9.5	150642.2	+1458.0	2937	9.5	154024.9	+1421.2
2668	9.4	134256.7	+1449.9	2758	9.3	142946.5	+1456.4	2848	9.1	150655.6	+1428.5	2938	9.5	154029.9	+1458.3
2669	9.0	134259.6	+1412.0	2759	9.3	143018.2	+1457.3	2849	9.5	150657.6	+1438.8	2939	6.0	154032.9	+1434.5
2670	9.5	134311.2	+1405.6	2760	9.2	143050.2	+1455.9	2850	8.3	150659.8	+1459.7	2940	7.0	154128.2	+1414.6
2671	9.3	134402.6	+1426.5	2761	8.8	143121.0	+1439.5	2851	9.5	150744.2	+1454.1	2941	9.0	154132.9	+1428.0
2672	9.5	134430.0	+1408.0	2762	9.2	143138.4	+1428.2	2852	8.7	150811.8	+1417.8	2941a	9.7	154148.8	+1417.6
2673	9.5	134441.4	+1407.2	2763	9.4	143143.9	+1449.3	2853	6.8	150917.2	+1401.0	2942	9.5	154151.2	+1445.6
2674	9.2	134444.8	+1446.5	2764	9.0	143150.4	+1455.2	2854	9.0	150921.3	+1459.9	2943	9.0	154205.0	+1451.6
2675	8.6	134449.5	+1438.9	2765	9.5	143220.0	+1435.8	2855	9.4	150949.6	+1424.6	2944	9.0	154216.0	+1446.1
2676	8.5	134454.6	+1445.5	2766	9.5	143255.4	+1448.8	2856	8.5	151007.6	+1446.6	2945	9.5	154255.1	+1423.5
2677	9.4	134462.5	+1458.2	2767	9.2	143317.0	+1428.8	2857	9.5	151029.6	+1417.8	2946	7.7	154309.6	+1430.8
2678	8.3	134459.3	+1433.1	2768	9.5	143333.2	+1403.0	2858	9.5	151044.1	+1447.6	2947	9.5	154324.2	+1436.2
2679	9.3	134715.0	+1457.2	2769	6.5	143346.3	+1409.4	2859	9.5	151056.1	+1444.5	2948	9.5	154423.3	+1416.4
2680	6.7	134851.8	+1447.3	2770	3.5	143414.4	+1422.2	2860	9.1	151125.6	+1443.7	2949	9.4	154441.0	+1425.6
2681	8.5	134855.9	+1427.4	2771	8.5	143438.4	+1413.6	2861	9.0	151156.6	+1417.8	2950	9.5	154447.3	+1403.6
2682	9.5	135008.3	+1436.7	2772	9.1	143451.9	+1411.5	2862	9.3	151147.1	+1441.8	2951	7.8	154449.0	+1421.0
2683	9.4	135043.1	+1405.2	2773	9.5	143527.5	+1459.6	2863	7.8	151430.2	+1402.8	2952	9.4	154503.5	+1427.1
2684	9.5	135138.3	+1412.4	2774	9.5	143611.4	+1404.8	2864	30.0	151452.2	+1449.3	2953	9.5	154534.6	+1442.0
2685	9.5	135144.6	+1433.4	2775	9.5	143658.1	+1405.9	2865	9.5	151529.1	+1413.2	2954	9.5	154610.6	+1436.9
2686	7.3	135119.3	+1426.4	2776	9.5	143724.0	+1445.0	2866	7.9	151632.6	+1433.6	2955	9.0	154731.2	+1442.8
2687	9.0	135423.1	+1431.5	2777	9.5	143745.2	+1412.5	2867	9.5	151708.1	+1412.6	2956	9.0	154731.6	+1459.6
2688	9.3	135451.2	+1457.2	2778	9.5	143833.5	+1437.1	2868	8.5	151733.1	+1436.3	2957	9.5	154732.5	+1410.0
2689	9.5	135457.4	+1410.8	2779	7.8	143834.2	+1428.1	2869	9.0	151807.6	+1429.1	2958	9.1	154735.0	+1400.8
2690	9.3	135533.7	+1445.0	2780	9.5	143854.9	+1419.8	2870	9.1	151825.6	+1420.2	2959	9.4	154754.6	+1427.7
2691	8.7	135551.1	+1458.7	2781	9.5	143913.0	+1451.7	2871	9.4	151839.5	+1454.5	2960	8.2	154843.6	+1443.1
2692	8.7	135607.7	+1420.0	2782	9.4	143918.4	+1420.2	2872	9.3	151843.3	+1440.5	2961	9.5	154856.2	+1449.0
2693	9.0	135656.5	+1451.9	2783	9.5	143934.7	+1436.4	2873	8.8	151848.5	+1458.5	2962	9.5	154942.5	+1455.0
2694	9.1	135719.1	+1458.8	2784	9.2	143939.5	+1422.2	2874	9.5	151923.1	+1447.3	2963	8.7	154943.4	+1417.9
2695	9.3	135719.4	+1402.4	2785	9.5	143959.5	+1408.9	2875	9.5	151944.1	+1412.9	2964	9.5	154946.3	+1429.6
2696	9.5	135824.3	+1427.8	2786	9.1	144027.9	+1416.3	2876	9.2	151955.2	+1450.9	2965	9.3	154952.8	+1450.7
2697	9.3	135857.1	+1424.4	2787	9.0	144102.7	+1426.0	2877	9.5	152009.6	+1416.4	2966	9.5	154959.9	+1417.1
2698	9.4	135911.9	+1433.0	2788	9.0	144111.4	+1433.3	2878	9.5	152028.8	+1402.6	2967	9.5	155009.8	+1427.9
2699	9.4	135914.8	+1403.9	2789	9.5	144156.0	+1418.3	2879	9.4	152029.5	+1408.3	2968	9.5	155031.6	+1437.6
2700	30.0	135929.3	+1411.5	2790	9.5	144225.4	+1404.8	2880	9.5	152041.6	+1430.1	2969	6.0	155033.2	+1450.1
2701	9.2	135946.1	+1445.0	2791	9.5	144243.1	+1411.5	2881	9.5	152139.6	+1418.5	2970	9.5	155054.1	+1453.7
2702	9.3	140009.9	+1461.5	2792	9.5	144243.9	+1448.5	2882	9.5	152144.5	+1400.3	2971	8.5	155117.3	+1457.4
2703	9.5	140107.0	+1408.1	2793	9.5	144315.5	+1435.8	2883	9.5	152150.3	+1406.4	2972	9.5	155151.9	+1402.0
2704	8.7	140215.7	+1449.8	2794	8.8	144352.7	+1434.0	2884	9.3	152230.9	+1423.5	2973	8.8	155251.6	+1435.8
2705	9.3	140217.9	+1431.5	2795	9.2	144356.4	+1404.6	2885	9.5	152242.6	+1419.8	2974	9.5	155309.2	+1434.4
2706	9.5	140224.8	+1426.6	2796	8.3	144429.2	+1417.7	2886	9.4	152306.7	+1438.7	2975	8.8	155329.6	+1436.0
2707	9.3	140317.5	+1442.0	2797	8.0	144440.1	+1405.2	2887	9.4	152312.7	+1445.7	2976	9.3	155331.0	+1441.7
2708	9.3	140331.4	+1437.5	2798	9.5	144543.5	+1421.2	2888	9.5	152426.3	+1420.8	2977	9.4	155351.1	+1412.6
2709	9.1	140331.8	+1429.7	2799	8.8	144546.9	+1441.2	2889	7.8	152453.9	+1447.4	2978	9.1	155421.8	+1401.8
2710	8.9	140413.9	+1414.2	2800	8.8	144553.2	+1433.3	2890	7.8	152459.0	+1434.9	2979	9.5	155440.8	+1444.5
2711	9.1	140533.0	+1459.4	2801	9.5	144601.7	+1442.3	2891	9.3	152530.1	+1425.0	2980	9.5	155502.2	+1449.1
2712	9.1	140535.0	+1429.2	2802	9.5	144634.6	+1414.3	2892	9.4	152536.5	+1430.3	2981	9.5	155530.3	+1455.2
2713	9.4	140537.7	+1428.0	2803	9.5	144640.0	+1418.9	2893	9.4	152538.0	+1424.2	2982	9.5	155548.3	+1422.1
2714	9.5	140619.0	+1451.3	2804	9.3	144729.5	+1430.5	2894	9.1	152602.9	+1422.5	2983	9.2	155552.6	+1411.2
2715	9.0	140654.2	+1420.0	2805	9.5	144739.0	+1420.8	2895	9.5	152615.6	+1447.2	2984	8.1	155619.6	+1424.2
2716	9.1	140709.7	+1400.3	2806	9.5	144759.4	+1451.3	2896	9.5	152709.6	+1408.7	2985	9.5	155626.0	+1421.2
2717	9.5	140726.6	+1412.9	2807	9.5	144821.7	+1457.8	2897	9.3	152711.9	+1457.3	2986	8.8	155634.1	+1441.0
2718	6.8	140740.0	+1440.0	2808	9.3	144833.8	+1423.5	2898	9.5	152734.2	+1435.9	2987	8.8	155636.1	+1415.4
2719	9.5	140710.6	+1425.3	2809	9.0	144858.9	+1414.6	2899	9.5	152804.2	+1436.3	2988	9.0	155704.3	+1431.6
2720	9.3	141011.7	+1405.0	2810	9.5	144922.5	+1401.3	2900	9.5	152834.9	+1455.2	2989	9.5	155732.2	+1414.4
2721	9.0	141040.3	+1424.2	2811	9.0	144937.5	+1449.5	2901	9.5	152900.0	+1406.0	2990	9.3	155908.0	+1450.4
2722	8.5	141051.3	+1434.5	2812	7.0	145126.9	+1436.5	2902	9.3	152910.1	+1438.6	2991	9.5	155933.6	+1428.2
2723	9.3	141215.0	+1443.3	2813	9.5	145133.6	+1405.8	2903	9.4	152917.6	+1424.9	2992	9.1	155933.7	+1431.3
2724	9.5	141243.5	+1454.1	2814	9.5	145138.0	+1458.0	2904	9.5	152947.2	+1438.7	2993	9.5	160000.5	+1438.2
2725	8.8	141335.0	+1434.5	2815	9.2	145310.5	+1455.4	2905	9.4	153014.6	+1411.2	2994	9.0	160024.5	+1421.4
2726	9.5	141434.5	+1451.7	2816	9.5	145317.9	+1420.5	2906	9.5	153022.9	+1446.5	2995	9.3	160027.8	+1436.8
2727	9.5	141443.6	+1414.0	2817	9.5	145329.6	+1430.3	2907	9.3	153031.9	+1425.0	2996	9.5	160047.0	+1424.4
2728	9.0	141516.3	+1429.9	2818	9.5	145353.9	+1412.1	2908	8.9	153038.0	+1404.2	2997	9.4	160048.8	+1446.8
2729	9.1	141539.9	+1454.5	2819	9.5	145420.2	+1401.7	2909	9.5	153053.7	+1438.0	2998	9.5	160103.9	+1403.6
2730	9.2	141549.3	+1434.9	2820	9.5	145433.4	+1406.3	2910	9.0	153107.6	+1437.2	2999	8.0	160113.9	+1449.4
2731	9.2	141631.0	+1455.1	2821	9.0	145513.4	+1436.5	2911	9.0	153116.9	+1415.3	3000	8.8	160152.5	+1416.8
2732	9.1	141728.2	+1423.4	2822	9.5	145533.5	+1439.6	2912	9.0	153128.6	+1426.9	3001	9.0	160208.2	+1430.5
2733	8.0	141903.8	+1405.4	2823	8.3	145550.1	+1402.0	2913</							

+14 3020 16h08m

+14 3379 17h53m

3020	9.4	160821.1	+1406.3	3110	9.5	163825.5	+1409.8	3200	9.5	170506.0	+1431.1	3290	9.5	173035.4	+1404.1
3021	9.3	160827.6	+1420.6	3111	9.2	163833.2	+1400.6	3201	7.3	170523.0	+1440.7	3291	9.4	173036.0	+1446.9
3022	9.4	160846.9	+1412.5	3112	9.5	163957.5	+1423.2	3202	9.5	170528.0	+1449.7	3292	9.3	173041.2	+1447.4
3023	9.4	160904.7	+1412.5	3113	9.0	163958.0	+1415.3	3203	8.2	170712.0	+1445.1	3293	9.3	173054.7	+1424.0
3024	9.2	160908.6	+1414.1	3114	9.5	164009.6	+1401.2	3204	9.4	170728.5	+1416.3	3294	9.0	173139.9	+1424.7
3025	8.1	160910.5	+1422.5	3115	9.5	164028.2	+1452.7	3205	8.9	170738.8	+1428.7	3295	9.5	173156.1	+1420.2
3026	9.5	160924.9	+1448.0	3116	8.8	164055.7	+1439.5	3206	8.2	170744.5	+1445.2	3296	9.5	173207.3	+1451.8
3027	9.0	160926.2	+1444.2	3117	9.5	164100.5	+1434.8	3207	30.0	170802.3	+1434.5	3297	9.5	173207.9	+1407.8
3028	9.5	160932.3	+1404.3	3118	9.5	164108.7	+1435.9	3208	9.3	170816.6	+1401.6	3298	9.5	173234.2	+1425.9
3029	8.9	160953.6	+1440.3	3119	8.7	164112.0	+1406.0	3209	9.5	170825.7	+1429.4	3299	9.4	173251.6	+1425.0
3030	9.5	161036.5	+1420.1	3120	9.5	164203.0	+1431.8	3210	8.7	170857.6	+1454.4	3300	9.5	173256.6	+1403.9
3031D	9.5	161058.6	+1458.3	3121	8.5	164206.5	+1421.5	3211	9.4	170918.8	+1426.3	3301	9.5	17327.6	+1447.0
3032	8.6	161059.4	+1403.8	3122	9.4	164224.6	+1400.7	3212	9.5	170948.3	+1420.3	3302	9.5	173343.4	+1425.7
3033	9.4	161201.2	+1420.8	3123	9.5	164300.0	+1455.9	3213	8.1	170956.7	+1449.8	3303	9.5	173345.6	+1404.5
3034	9.3	161337.0	+1443.3	3124	8.8	164312.5	+1417.6	3214	9.4	171002.5	+1445.0	3304	9.5	173416.7	+1435.6
3035	9.4	161423.2	+1452.5	3125	8.3	164323.0	+1417.6	3215	8.3	171029.3	+1450.7	3305	9.5	173428.6	+1441.8
3036	9.4	161430.9	+1447.3	3126	9.4	164327.1	+1406.5	3216	7.9	171037.7	+1403.2	3306	9.5	173432.2	+1455.9
3037	9.4	161446.5	+1458.2	3127	9.3	164348.2	+1432.9	3217	8.8	171046.4	+1429.2	3307	9.1	173435.5	+1447.2
3038	9.4	161459.7	+1455.4	3128	9.4	164353.8	+1408.5	3218	9.5	171047.6	+1434.0	3308	9.5	173442.7	+1453.2
3039	9.4	161528.2	+1421.5	3129	9.5	164435.5	+1431.4	3219	9.0	171115.1	+1428.9	3309	9.5	173446.1	+1457.2
3040	9.1	161544.1	+1443.5	3130	9.5	164507.0	+1453.8	3220	9.3	171118.2	+1441.5	3310	9.3	173449.0	+1443.8
3041	9.0	161546.1	+1455.3	3131	9.5	164511.0	+1449.2	3221	9.5	171124.9	+1451.5	3311	9.3	173450.2	+1449.0
3042	7.7	161624.6	+1410.5	3132	9.3	164519.5	+1427.9	3222	9.5	171129.7	+1448.9	3312	9.5	173455.4	+1433.6
3043	9.5	161653.5	+1453.2	3133	9.4	164537.8	+1430.1	3223	9.5	171131.2	+1415.1	3313	9.9	173457.0	+1406.7
3044	9.1	161714.0	+1434.3	3134	9.4	164539.6	+1401.8	3224	9.5	171134.6	+1427.8	3314	9.2	173530.6	+1457.3
3045	9.5	161740.4	+1410.8	3135	9.5	164629.9	+1403.5	3225	9.5	171217.8	+1408.5	3315	9.3	173533.3	+1459.7
3046	8.9	161750.1	+1409.8	3136	9.0	164716.2	+1401.4	3226	9.3	171221.1	+1411.8	3316	8.6	173534.5	+1452.5
3047	8.6	161810.0	+1449.3	3137	9.5	164715.7	+1405.7	3227	8.8	171251.1	+1404.2	3317	9.4	173549.7	+1415.0
3048	9.5	161823.9	+1431.1	3138	9.1	164742.5	+1420.5	3228	9.0	171252.7	+1441.8	3318	9.5	173553.2	+1432.6
3049	5.2	161844.5	+1422.2	3139	8.3	164817.2	+1448.6	3229	9.3	171403.6	+1419.5	3319	9.5	173608.6	+1431.2
3050	9.0	161904.9	+1426.0	3140	9.0	164830.5	+1434.5	3230	9.3	171441.5	+1427.0	3320	9.5	173614.0	+1413.9
3051	8.6	161908.8	+1441.3	3141	8.6	164833.1	+1405.2	3231	9.3	171449.1	+1425.5	3321	6.0	173645.7	+1421.9
3052	9.0	161911.3	+1409.3	3142	9.5	164845.5	+1415.0	3232	8.5	171457.9	+1436.7	3322	9.5	173653.1	+1445.6
3053	9.4	161913.3	+1445.2	3143	9.0	164854.8	+1453.6	3233	9.5	171458.0	+1420.3	3323	8.5	173708.6	+1448.4
3054	9.3	161920.2	+1415.6	3144	9.5	164917.0	+1423.6	3234	9.4	171503.7	+1419.6	3324	9.4	173710.7	+1413.7
3055	9.3	161922.5	+1417.4	3145	9.5	164918.3	+1430.4	3235	9.5	171508.9	+1450.4	3325	8.4	173712.7	+1401.7
3056	8.2	161929.6	+1438.0	3146	9.1	164935.0	+1422.1	3236	8.3	171547.4	+1456.2	3326	9.3	173725.2	+1427.7
3057	9.3	161956.2	+1431.8	3147	9.5	164956.0	+1457.2	3237	9.4	171552.2	+1404.9	3327	9.2	173725.5	+1459.7
3058	9.4	162014.2	+1424.6	3148	6.5	165000.5	+1422.7	3238	8.4	171553.6	+1449.4	3328	9.2	173727.6	+1421.2
3059	9.5	162023.9	+1432.2	3149	9.2	165003.8	+1451.2	3239	9.4	171600.0	+1413.0	3329	6.0	173741.5	+1428.8
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3071	9.5	162507.5	+1435.7	3161	6.8	165233.5	+1418.4	3251	9.1	171908.1	+1408.7	3341	9.5	174129.6	+1456.3
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*14 4817 22h27m

+14 4818 22h27m

4818	9.2	222713.8	+1454.1	4908	9.5	225233.7	+1411.6	4998	9.1	232132.5	+1425.3	5088	8.6	235507.1	+1432.7
4819	8.0	222715.3	+1416.7	4909	9.5	225251.1	+1439.6	4999	9.0	232141.0	+1419.7	5089	9.5	235533.6	+1432.6
4820	8.2	222728.3	+1457.3	4910	9.0	225319.8	+1409.5	5000	9.5	232218.0	+1416.0	5090	9.5	235626.1	+1419.7
4821	9.2	222741.9	+1440.4	4911	8.8	225336.7	+1449.4	5001	9.5	232242.3	+1453.5	5091	9.5	235658.2	+1434.7
4822	9.1	222744.6	+1430.7	4912	8.3	225340.2	+1453.4	5002	9.3	232302.3	+1401.3	5092	8.8	235702.0	+1457.5
4823	8.8	222744.6	+1446.2	4913	9.5	225344.5	+1436.6	5003	9.5	232357.5	+1449.0	5093	9.5	235714.2	+1423.6
4824	9.4	222750.6	+1457.7	4914	9.5	225345.7	+1419.0	5004	9.2	232417.5	+1415.6	5094	7.3	235716.4	+1409.0
4825	8.9	222900.2	+1404.9	4915	9.5	225407.2	+1414.8	5005	9.5	232430.5	+1457.0	5095	9.5	235728.6	+1421.9
4826	9.5	222900.6	+1420.4	4916	7.3	225411.4	+1406.5	5006	8.9	232455.0	+1410.3	5096	9.5	235814.3	+1451.8
4827	9.5	222935.3	+1453.9	4917	9.3	225412.3	+1456.3	5007	9.0	232531.4	+1441.0	5097	9.5	235855.9	+1433.5
4828	9.2	222940.4	+1419.6	4918	9.5	225430.5	+1436.6	5008	9.5	232624.9	+1436.2	5098	9.4	235859.5	+1403.8
4829	9.0	222955.8	+1449.0	4919	9.0	225439.8	+1439.0	5009	9.4	232634.0	+1431.7	5099	8.7	235942.6	+1400.7
4830	9.4	223014.9	+1426.3	4920	9.2	225448.5	+1401.3	5010	8.9	232754.7	+1414.6	5100	9.5	235956.2	+1438.9
4831	9.5	223020.3	+1459.9	4921	9.1	225506.2	+1435.9	5011	9.2	232801.0	+1447.7	1	8.8	00018.0	+1326.6
4832	9.2	223025.7	+1452.6	4922	9.3	225506.8	+1425.2	5012	9.5	232808.0	+1418.1	2	9.5	00104.0	+1345.2
4833	9.5	223029.3	+1442.8	4923	9.5	225535.7	+1440.4	5013	9.5	232838.5	+1417.5	3	7.8	00119.9	+1320.0
4834	7.8	223045.1	+1414.8	4924	9.0	225539.7	+1429.6	5014	8.5	232841.3	+1453.7	4	9.5	00145.6	+1357.2
4835	9.1	223059.8	+1412.4	4925	9.4	225659.1	+1431.8	5015	8.8	232852.3	+1406.6	5	9.5	00150.0	+1344.7
4836	8.7	223204.6	+1440.0	4926	2.0	225733.7	+1427.0	5016	9.1	232935.3	+1459.7	6	8.9	00156.0	+1337.1
4837	8.5	223204.9	+1435.1	4927	9.3	225740.2	+1416.2	5017	8.9	233008.6	+1427.8	7	9.5	00249.4	+1320.3
4838	9.3	223248.3	+1437.0	4928	9.5	225754.7	+1430.1	5018	9.5	233026.6	+1453.5	8	9.2	00250.0	+1315.4
4839	8.5	223303.8	+1415.9	4929	7.6	225821.3	+1410.3	5019	9.5	233029.0	+1457.7	9	9.5	00304.9	+1318.5
4840	9.0	223324.9	+1443.1	4930	9.5	225924.0	+1419.9	5020	9.0	233121.0	+1440.0	10	8.8	00307.4	+1310.6
4841	9.0	223326.3	+1432.1	4931	9.2	225944.0	+1410.8	5021	9.3	233135.2	+1451.8	11	9.3	00336.2	+1338.3
4842	9.4	223334.2	+1400.0	4932	8.9	230005.3	+1428.9	5022	9.5	233139.0	+1425.3	12	9.4	00336.2	+1331.8
4843	9.4	223340.8	+1409.5	4933	9.4	230016.9	+1448.5	5023	9.2	233145.3	+1458.9	13	8.7	00459.0	+1346.0
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4845	7.5	223400.1	+1444.5	4935	9.2	230129.6	+1446.2	5025	9.3	233208.6	+1459.1	15	9.2	00528.5	+1340.8
4846	9.3	223423.8	+1405.8	4936	8.9	230141.6	+1444.8	5026	9.2	233211.4	+1427.7	16	9.5	00536.4	+1340.5
4847	9.5	223424.6	+1434.8	4937	9.0	230226.0	+1425.7	5027	9.3	233221.0	+1417.7	17	9.2	00542.0	+1302.0
4848	9.4	223443.5	+1421.1	4938	9.5	230242.3	+1401.5	5028	7.9	233242.6	+1400.9	18	9.5	00610.9	+1308.9
4849	9.4	223446.2	+1448.3	4939	9.5	230327.7	+1450.8	5029	9.0	233245.5	+1430.6	19	9.5	00617.4	+1358.7
4850	9.5	223450.8	+1433.2	4940	9.1	230350.1	+1411.8	5030	9.5	233312.5	+1434.1	20	9.5	00618.4	+1349.8
4851	8.5	223451.5	+1428.0	4941	9.0	230439.5	+1409.7	5031	9.5	233314.0	+1426.2	21	9.5	00625.9	+1340.2
4852	9.5	223520.8	+1411.4	4942	9.0	230451.6	+1431.9	5032	9.3	233334.2	+1429.5	22	9.5	00631.1	+1313.5
4853	8.2	223553.1	+1400.0	4943	9.2	230501.0	+1421.5	5033	9.3	233356.0	+1402.7	23	9.5	00647.6	+1342.1
4854	9.5	223619.7	+1459.0	4944	9.5	230512.4	+1427.8	5034	9.4	233407.7	+1428.4	24	9.5	00721.5	+1337.5
4855	9.5	223640.8	+1453.7	4945	9.5	230541.9	+1402.7	5035	9.0	233413.3	+1401.7	25	9.5	00732.8	+1325.4
4856	9.5	223649.3	+1427.2	4946	9.5	230549.8	+1452.0	5036	9.1	233443.0	+1435.1	26	8.5	00834.0	+1353.2
4857	9.3	223652.7	+1419.6	4947	9.1	230617.2	+1450.7	5037	9.3	233444.7	+1411.5	27	7.5	00917.8	+1306.6
4858	9.5	223716.8	+1403.9	4948	9.4	230620.5	+1423.5	5038	9.5	233534.5	+1448.3	28	9.3	00918.8	+1312.8
4859	9.0	223735.2	+1418.3	4949	9.0	230623.5	+1433.5	5039	9.5	233548.0	+1412.5	29	9.3	01009.6	+1359.9
4860	9.5	223741.3	+1426.2	4950	9.2	230628.6	+1444.8	5040	8.2	233550.0	+1410.1	30	9.2	01031.6	+1348.6
4861	9.5	223753.8	+1450.0	4951	9.5	230631.6	+1453.8	5041	9.5	233616.9	+1402.7	31	9.5	01120.5	+1340.2
4862	9.2	223759.5	+1422.7	4952	7.4	230635.6	+1435.1	5042	9.5	233653.5	+1451.7	32	9.5	01144.9	+1331.2
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4868	8.3	223955.8	+1407.1	4958	9.2	230824.2	+1457.0	5048	9.5	233830.5	+1431.9	38	9.5	01313.1	+1335.8
4869	9.5	224000.0	+1402.0	4959	9.2	230827.4	+1413.0	5049	9.5	233833.5	+1455.9	39	9.5	01349.3	+1303.2
4870	9.3	224001.3	+1400.7	4960	9.7	230833.5	+1437.5	5050	9.2	233847.5	+1439.5	40	9.5	01401.3	+1355.7
4871	9.5	224105.5	+1459.7	4961	8.5	230833.7	+1418.0	5051	9.0	233850.6	+1405.2	41	9.4	01410.3	+1301.3
4872	9.3	224106.4	+1400.5	4962	9.5	230904.5	+1405.1	5052	9.5	233851.0	+1405.8	42	9.5	01438.9	+1350.0
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4880	9.5	224457.3	+1446.0	4970	9.5	231143.7	+1400.1	5060	9.5	234107.5	+1414.7	50	9.5	01727.0	+1331.5
4881	9.3	224514.2	+1420.4	4971	9.0	231146.5	+1400.9	5061	9.5	234113.5	+1449.0	51	9.2	01742.6	+1320.3
4882	9.5	224531.3	+1400.7	4972	9.5	231158.0	+1421.3	5062	9.1	234217.0	+1435.4	52	8.5	02001.8	+1337.8
4883	9.5	224542.1	+1435.5	4973	9.5	231213.6	+1428.2	5063	9.2	234232.6	+1453.5	53	9.5	02016.3	+1337.7
4884	9.5	224553.8	+1416.9	4974	7.5	231329.6	+1416.0	5064	8.6	234259.0	+1404.5	54	9.5	02045.4	+1348.9
4885	9.5	224614.3	+1445.6	4975	9.5	231419.9	+1413.0	5065	9.5	234314.5	+1426.7	55	9.5	02105.2	+1322.5
4886	8.3	224614.6	+1458.6	4976	9.5	231423.9	+1423.5	5066	9.4	234325.5	+1412.8	56	9.5	02106.5	+1348.6
4887	9.5	224645.8	+1427.5	4977	9.3	231436.4	+1429.9	5067	9.5	234515.4	+1419.4	57	9.1	02156.4	+1305.6
4888	9.5	224650.4	+1409.7	4978	9.5	231506.9	+1453.2	5068	9.5	234555.5	+1451.3	58	9.3	02221.0	+1356.7
4889	9.5	224654.9	+1424.0	4979	8.5	231532.0	+1435.5	5069	8.1	234626.0	+1440.6	59	9.5	02221.6	+1313.8
4890	9.5	224718.5	+1433.8	4980	9.2	231558.2	+1429.6	5070	9.5	234722.5	+1413.2	60	9.5	02315.0	+1344.1
4891	9.3	224733.3	+1406.5												

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+13 1515 6h53m

+13 1516 6h53m

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1547	7.7	65724.2	+1355.1	1637	8.0	71253.7	+1321.3	1725	8.9	73132.0	+1312.8	1815	9.5	75223.3	+1341.0
1548	9.3	65740.9	+1354.7	1638	9.3	71258.0	+1317.2	1726	9.5	73136.2	+1348.0	1816	7.3	75232.5	+1302.1
1549	9.4	65750.3	+1326.4	1639	9.1	71305.7	+1319.0	1727	9.2	73138.7	+1325.3	1817	7.4	75245.4	+1303.9
1550	9.5	65753.8	+1317.7	1640	8.8	71310.1	+1307.2	1728	9.3	73207.7	+1352.3	1818	9.5	75318.3	+1352.6
1551	9.5	65801.2	+1302.5	1641	7.8	71311.7	+1326.3	1729	9.2	73209.8	+1307.9	1819	9.4	75333.6	+1333.5
1552	9.5	65805.9	+1333.0	1642	9.5	71316.0	+1352.9	1730	9.5	73212.7	+1354.2	1820	9.0	75336.7	+1309.6
1553	9.5	65832.4	+1308.2	1643	9.4	71317.0	+1347.3	1731	9.5	73229.2	+1352.5	1821	9.3	75340.2	+1330.0
1554	9.3	65843.0	+1335.6	1644	9.5	71343.2	+1349.3	1732	9.0	73233.7	+1325.0	1822	9.4	75426.6	+1356.2
1555	9.2	65847.4	+1325.9	1645	9.3	71344.0	+1340.9	1733	9.3	73258.2	+1333.4	1823	9.0	75426.7	+1313.5
1556	8.2	65847.5	+1337.3	1646	9.5	71347.4	+1312.0	1734	9.5	73308.1	+1335.8	1824	8.5	75452.7	+1320.7
1557	9.1	65856.6	+1321.0	1647	9.5	71359.7	+1337.1	1735	9.0	73339.3	+1356.7	1825	9.5	75504.1	+1327.1
1558	9.3	65904.7	+1328.0	1648	9.5	71415.2	+1326.0	1736	9.5	73346.3	+1340.9	1826	9.2	75543.5	+1305.8
1559	9.5	65912.0	+1340.7	1649	9.2	71418.9	+1359.5	1737	6.5	73346.4	+1349.5	1827	9.5	75546.7	+1304.0
1560	9.5	65933.6	+1316.0	1650	9.5	71422.5	+1325.6	1738	9.5	73349.8	+1302.1	1828	8.5	75624.0	+1349.5
1561	9.2	70009.6	+1347.4	1651	9.5	71439.2	+1347.9	1739	9.5	73359.0	+1307.7	1829	9.5	75647.4	+1344.8
1562	9.3	70010.8	+1353.5	1652	9.0	71441.7	+1336.5	1740	9.0	73404.6	+1340.5	1830	9.5	75656.4	+1305.8
1563	9.5	70023.0	+1330.0	1653	9.5	71453.1	+1302.4	1741	8.9	73421.0	+1334.2	1831	5.8	75659.9	+1332.2
1564	9.4	70032.1	+1359.3	1653a	30.0	71502.0	+1321.9	1742	9.5	73424.5	+1339.7	1832	7.7	75727.3	+1354.9
1565	9.5	70038.1	+1342.0	1654	9.4	71520.0	+1320.9	1743	9.3	73450.5	+1330.4	1833	9.5	75737.7	+1300.5
1566	9.5	70039.8	+1315.7	1655	8.4	71539.8	+1314.6	1744	9.5	73452.3	+1357.4	1834	9.5	75804.1	+1333.0
1567	9.4	70101.7	+1322.7	1656	9.5	71613.2	+1313.8	1745	9.0	73452.6	+1346.9	1835	9.5	75807.2	+1353.0
1568	9.3	70103.8	+1352.7	1657	9.5	71626.0	+1306.4	1746	9.4	73502.9	+1344.8	1836	9.4	75842.7	+1328.9
1569	9.4	70111.6	+1350.8	1658	9.5	71629.7	+1336.0	1747	9.3	73529.9	+1343.4	1837	9.5	75907.4	+1344.0
1570	8.7	70120.3	+1353.0	1659	9.5	71633.7	+1323.8	1748	9.0	73535.4	+1319.0	1838	9.2	75913.7	+1341.6
1571	8.7	70140.4	+1311.7	1660	9.0	71710.2	+1346.5	1749	9.3	73547.9	+1326.7	1839	9.5	75920.3	+1353.4
1572	7.5	70144.7	+1322.4	1661	9.3	71721.8	+1304.7	1750	7.0	73610.4	+1312.7	1840	9.1	75937.8	+1302.6
1573	9.5	70220.2	+1341.4	1662	9.3	71722.2	+1314.2	1751	8.7	73614.9	+1309.6	1841	9.5	75951.7	+1323.0
1574	8.7	70220.2	+1335.3	1663	8.0	71724.7	+1321.8	1752	9.5	73642.8	+1336.0	1842	8.0	80018.7	+1334.1
1575	9.5	70253.8	+1315.2	1664	9.5	71749.1	+1301.0	1753	9.5	73650.9	+1313.4	1843	9.0	80022.1	+1310.5
1576	9.5	70307.6	+1331.0	1665	9.5	71758.7	+1328.1	1754	9.5	73722.6	+1302.8	1844	8.8	80044.4	+1322.9
1577	8.9	70308.7	+1336.2	1666	9.5	71813.8	+1304.4	1755	9.5	73804.2	+1300.3	1845	9.1	80047.2	+1317.3
1578	9.5	70315.6	+1334.5	1667	9.4	71814.7	+1309.8	1756	9.5	73808.9	+1353.8	1846	9.3	80112.7	+1316.0
1579	9.2	70324.5	+1316.4	1668	9.2	71842.5	+1309.1	1757	9.5	73827.3	+1359.1	1847	9.5	80117.7	+1356.6
1580	9.5	70331.4	+1300.8	1669	9.2	71845.0	+1358.2	1758	9.5	73829.0	+1348.6	1848	9.4	80129.8	+1312.1
1581	9.5	70337.9	+1314.6	1670	9.4	71854.0	+1353.2	1759	9.5	73841.9	+1307.5	1849	8.5	80149.3	+1306.8
1582	9.5	70343.3	+1313.2	1671	9.5	71858.8	+1329.8	1760	9.0	73910.9	+1333.9	1850	9.5	80153.7	+1350.7
1583	9.2	70346.8	+1316.8	1672	9.5	71916.4	+1354.8	1761	9.0	73911.2	+1310.0	1851	8.5	80153.8	+1327.0
1584	9.4	70355.1	+1352.5	1673	9.3	71917.0	+1349.0	1762	9.2	73911.8	+1356.4	1852	8.5	80157.1	+1316.6
1585	9.5	70403.7	+1335.1	1674	9.3	71920.5	+1319.0	1763	9.2	73939.0	+1327.7	1853	9.5	80204.0	+1340.6
1586	9.5	70416.0	+1342.8	1675	9.3	71922.3	+1312.8	1764	9.0	73940.6	+1301.2	1854	9.3	80208.6	+1304.3
1587	9.2	70417.9	+1341.3	1676	9.3	71929.2	+1324.6	1765	9.5	73951.4	+1316.6	1855	9.2	80219.2	+1313.2
1588	9.0	70431.2	+1305.9	1677	9.1	71956.7	+1322.9	1766	9.5	73955.9	+1349.3	1856	9.4	80249.1	+1325.4
1589	9.5	70444.3	+1340.2	1678	8.9	72008.0	+1353.9	1767	9.5	74000.8	+1305.8	1857	9.5	80258.4	+1317.3
1590	9.5	70445.1	+1347.9	1679	9.2	72024.7	+1314.5	1768	9.5	74005.4	+1344.4	1			

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1874	9.5	80738.6	+1311.0	1864	9.5	83302.5	+1327.7	2054	9.5	90529.3	+1308.8	2144	9.5	93500.1	+1207.9
1875	9.0	80753.6	+1317.9	1865	9.5	83315.7	+1307.6	2055	9.5	90531.7	+1333.3	2145	9.0	93529.8	+1215.3
1876	8.9	80814.6	+1336.6	1866	8.9	83316.1	+1343.7	2056	9.4	90558.7	+1342.8	2146	9.5	93531.0	+1340.3
1877	9.5	80821.2	+1332.1	1867	9.0	83350.2	+1334.2	2057	9.5	90631.2	+1313.3	2147	9.0	93613.3	+1312.4
1878	9.3	80852.8	+1358.6	1868	9.4	83415.9	+1307.2	2058	9.5	90654.0	+1332.6	2148	9.5	93634.0	+1304.8
1879	9.0	80901.1	+1311.0	1869	9.0	83417.8	+1353.2	2059	9.4	90704.1	+1328.7	2149	9.4	93647.1	+1307.8
1880	9.4	80915.4	+1304.4	1870	9.3	83422.4	+1308.4	2060	9.5	90704.5	+1328.9	2150	9.4	93729.6	+1355.8
1881	9.4	80920.2	+1316.2	1871	9.5	83453.3	+1354.7	2061	9.5	90750.3	+1346.9	2151	9.3	93741.3	+1308.0
1882	9.3	80932.8	+1356.0	1872	6.0	83513.2	+1312.4	2062	9.5	90831.6	+1332.5	2152	9.5	93818.2	+1306.8
1883	9.5	80952.7	+1322.8	1873	9.5	83538.4	+1351.0	2063	9.5	90847.4	+1341.3	2153	9.0	93842.3	+1303.5
1884	9.5	81007.6	+1318.2	1874	9.1	83629.2	+1314.2	2064	9.5	90859.3	+1303.3	2154	9.3	93854.8	+1346.2
1885	9.5	81009.8	+1359.0	1875	9.5	83634.1	+1349.8	2065	9.5	90909.6	+1314.2	2155	9.2	93904.5	+1344.7
1886	9.1	81019.7	+1300.3	1876	9.5	83638.7	+1351.9	2066	8.7	90925.6	+1340.8	2156	9.0	93933.3	+1338.8
1887	9.3	81042.2	+1338.4	1877	9.2	83643.6	+1337.0	2067	9.5	91006.7	+1336.7	2157	9.5	93954.0	+1320.7
1888	9.4	81117.2	+1305.9	1878	9.5	83710.7	+1328.3	2068	9.5	91025.5	+1341.0	2158	9.5	94016.6	+1312.9
1889	9.4	81126.0	+1306.2	1879	9.0	83717.6	+1347.0	2069	9.3	91042.7	+1343.9	2159	9.4	94040.9	+1308.4
1890	9.5	81140.7	+1318.6	1880	9.1	83742.7	+1321.4	2070	9.3	91146.3	+1346.5	2160	8.8	94101.8	+1311.3
1891	9.1	81202.7	+1343.5	1881	8.7	83758.7	+1347.1	2071	9.0	91152.2	+1332.1	2161	9.5	94109.8	+1317.6
1892	9.0	81212.6	+1342.9	1882	9.5	83831.4	+1302.1	2072	9.3	91152.3	+1320.5	2162	9.5	94138.9	+1330.8
1893	9.5	81218.2	+1358.8	1883	9.5	83853.1	+1336.6	2073	9.5	91200.3	+1311.3	2163	9.5	94146.3	+1337.7
1894	9.4	81254.1	+1312.3	1884	9.4	83859.5	+1309.1	2074	7.0	91223.8	+1343.2	2164	6.5	94312.0	+1345.2
1895	9.2	81257.8	+1307.3	1885	9.4	83902.6	+1346.7	2075	9.5	91230.2	+1312.3	2165	9.5	94332.0	+1350.1
1896	9.5	81257.9	+1339.7	1886	9.5	83904.0	+1307.0	2076	9.5	91240.1	+1311.3	2166	8.9	94342.4	+1319.7
1897	9.3	81304.2	+1312.8	1887	9.4	83910.2	+1343.6	2077	9.5	91254.6	+1348.8	2167	9.4	94403.1	+1310.7
1898	9.5	81324.6	+1325.3	1888	9.4	83912.2	+1309.6	2078	9.5	91410.7	+1352.1	2168	9.3	94408.4	+1357.2
1899	8.3	81327.2	+1316.6	1889	9.5	83914.3	+1308.0	2079	8.7	91420.9	+1311.5	2169	9.5	94420.0	+1321.5
1900	9.5	81354.7	+1331.1	1890	9.2	83943.8	+1357.6	2080	9.5	91454.0	+1332.8	2170	9.5	94435.0	+1322.2
1901	9.5	81401.7	+1343.7	1891	9.1	83946.7	+1325.1	2081	9.4	91526.1	+1350.2	2171	9.5	94448.9	+1303.4
1902	9.5	81402.1	+1350.2	1892	9.2	84029.6	+1349.1	2082	9.4	91601.5	+1326.3	2172	9.5	94702.8	+1342.3
1903	9.1	81403.9	+1335.3	1893	9.3	84038.7	+1312.3	2083	9.0	91625.7	+1308.5	2173	9.5	94718.0	+1318.8
1904	9.4	81404.9	+1337.4	1994	7.2	84042.2	+1304.8	2084	9.5	91626.2	+1312.0	2174	9.5	94719.3	+305.5
1905	9.3	81423.4	+1335.6	1995	8.2	84047.4	+1307.0	2085	9.5	91642.2	+1344.1	2175	9.5	94735.7	+313.3
1906	9.5	81444.1	+1311.3	1996	9.4	84148.6	+1315.8	2086	9.5	91757.4	+1331.5	2176	9.5	94746.8	+1343.3
1907	9.5	81456.6	+1331.9	1997	9.5	84206.4	+1305.2	2087	9.5	91813.1	+1335.8	2177	9.5	94802.0	+1315.3
1908	9.5	81539.2	+1309.0	1998	9.4	84224.9	+1327.6	2088	9.5	91816.0	+1327.7	2178	9.1	94829.0	+1330.7
1909	8.8	81616.1	+1357.2	1999	9.0	84252.1	+1331.1	2089	9.1	91849.6	+1307.2	2179	9.5	94845.5	+1328.0
1910	9.5	81703.4	+1356.3	2000	9.4	84259.3	+1309.8	2090	9.5	91914.3	+1310.0	2180	9.5	94919.6	+1350.7
1911	9.3	81831.1	+1333.9	2001	9.5	84303.8	+1304.7	2091	7.8	91943.9	+1301.4	2181	9.5	94947.9	+117.8
1912	5.8	81843.6	+1307.3	2002	9.5	84343.7	+1321.8	2092	9.5	92005.6	+1338.8	2182	9.0	94956.5	+106.7
1913	9.5	81849.3	+1302.2	2003	9.2	84357.9	+1341.9	2093	9.5	92010.0	+1331.1	2183	5.5	95026.9	+1107.2
1914	9.3	81858.1	+1359.7	2004	8.8	84402.5	+1356.3	2094	7.5	92034.6	+1317.2	2184	8.7	95033.1	+1330.3
1915	9.5	81905.7	+1344.6	2005	9.5	84414.9	+1312.4	2095	9.5	92035.8	+1309.7	2185	9.5	95038.7	+1355.5
1916	9.4	81912.6	+1331.7	2006	9.2	84424.1	+1348.2	2096	7.2	92041.6	+1301.2	2186	9.3	95149.6	+1236.4
1917	9.5	81931.4	+1342.1	2007	8.3	84425.3	+1346.3	2097	7.5	92056.6	+1312.6	2187	9.5	95155.2	+125.4
1918	8.5	81932.9	+1314.6	2008	9.5	84504.6	+1353.1	2098	8.5	92158.6	+1359.6	2188	9.5	95220.0	+13 8.6
1919	9.3	81940.6	+1314.6	2009	9.1	84556.8	+1351.6	2099	8.5	92222.3	+1328.3	2189	9.5	95220.5	+133.4
1920	9.4	81942.2	+1310.2	2010	9.5	84617.2	+1312.0	2100	8.0	92230.8	+1334.7	2190	9.5	95304.0	+1327.1
1921	9.5	81950.0	+1327.2	2011	9.5	84651.8	+1349.0	2101	9.5	92317.3	+1316.2	2191	9.5	95330.6	+1329.1
1922	9.5	81953.3	+1331.4	2012	9.4	84730.3	+1354.9	2102	9.5	92318.9	+1308.8	2192	9.3	95330.6	+1327.8
1923	9.5	82010.0	+1336.7	2013	9.2	84847.1	+1349.8	2103	9.5	92320.8	+1336.8	2193	9.5	95403.0	+1347.7
1924	9.5	82028.2	+1354.7	2014	9.5	84921.0	+1301.3	2104	7.0	92325.3	+1329.7	2194	8.5	95416.8	+1335.1
1925	8.2	82108.4	+1301.9	2015	9.0	84944.2	+1300.5	2105	9.5	92330.0	+1345.2	2195	9.5	95517.0	+1331.5
1926	9.3	82120.1	+1345.7	2016	9.4	84949.9	+1358.1	2106	9.4	92349.3	+1359.6	2196	9.2	95523.6	+1332.9
1927	8.7	82122.1	+1336.0	2017	9.4	85006.1	+1303.1	2107	9.5	92414.0	+1338.5	2197	8.5	95547.8	+1334.7
1928	9.5	82220.7	+1319.6	2018	9.1	85047.8	+1356.4	2108	9.4	92524.3	+1306.5	2198	9.5	95633.7	+1312.4
1929	9.5	82241.4	+1311.1	2019	9.0	85058.7	+1331.8	2109	9.5	92534.3	+1327.7	2199	8.5	95706.5	+1333.1
1930	9.1	82243.2	+1347.7	2020	9.0	85108.7	+1316.2	2110	9.5	92543.3	+1336.8	2200	9.5	95713.6	+1316.5
1931	9.0	82253.6	+1330.4	2021	7.5	85129.4	+1339.0	2111	9.5	92553.6	+1334.6	2201	9.5	95732.2	+1331.6
1932	9.5	82259.0	+1339.1	2022	9.5	85131.1	+1308.9	2112	9.5	92602.0	+1323.5	2202	8.8	95739.3	+1314.0
1933	9.3	82303.5	+1312.1	2023	9.0	85218.6	+1346.4	2113	9.5	92617.0	+1307.4	2203	8.9	95751.3	+1340.7
1934	9.5	82317.0	+1317.3	2024	9.5	85224.7	+1333.2	2114	9.5	92644.0	+1340.0	2204	9.3	95807.9	+1300.9
1935	8.3	82329.1	+1314.1	2025	9.5	85230.9	+1354.6	2115	9.0	92651.4	+1356.3	2205	9.5	95825.0	+1305.5
1936	7.8	82410.6	+1315.9	2026	9.4	85236.0	+1342.2	2116	9.5	92655.8	+1334.7	2206	7.3	95849.8	+1329.5
1937	8.5	82421.7	+1343.2	2027	9.1	85244.6	+1330.4	2117	6.5	92708.7	+1318.0	2207	9.5	95938.3	+1359.1
1938	9.5	82514.7	+1329.4	2028	8.1	85252.6	+1307.9	2118	8.7	92724.3	+1312.0	2208	8.0	95948.4	+1343.7
1939	9.3	82519.6	+1347.8	2029	9.4	85259.9	+1343.1	2119	9.0	92818.3	+1320.0	2209	9.5	100013.6	+1320.7
1940	6.8	82543.4	+1345.1	2030	9.1	85306.6	+1305.6	2120	9.5	92822.6	+1313.0	2210	9.5	100024.5	+1337.8
1941	9.4	82608.1	+1305.8	2031	9.5	85459.8	+1302.9	2121	9.5	92824.4	+1356.8	2211	9.5	100024.8	+1331.4
1942	9.5	82624.9	+1322.8	2032	9.4	85542.7	+1350.5	2122	9.2	92901.4	+1308.8	2212	9.0	100048.5	+1351.4
1943	9.5	82648.2	+1348.7	2033	9.5	85548.2	+1328.3	2123	9.5	92910.0	+1310.3	2213	9.4	100056.6	+1342.3
1944	9.1	82706.1	+1320.3	2034	9.4	85610.7	+1348.8	2124	9.5	92929.5	+1308.3	2214	9.5	100100.0	+1352.7
1945	9.5	82732.2	+1317.1	2035	9.4	85617.6	+1347.1	2125	9.2	92931.2	+1306.6	2215	9.5	100112.3	+1327.0
1946	9.5	82740.9	+1309.5	2036	7.8	85700.5	+1354.6	2126	9.3	92952.1	+1307.2	2216	9.5	100150.8	+1311.7
1947	9.3	82804.1	+1346.0	2037	9.3	85731.7	+1320.0	2127	9.4	93001.5	+1301.9	2217	9.1	100247.5	+1338.0
1948	9.5	82830.1	+1357.9	2038											

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2595	9.2	124325.1	+1328.4	2685	9.4	132823.7	+1345.0	2775	9.5	141056.9	+1302.9	2865	9.4	144834.5	+1313.7
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2600	8.8	124602.6	+1357.5	2690	9.2	133004.2	+1351.3	2780	9.2	141155.6	+1306.0	2870	9.5	145109.3	+1344.5
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2602	6.0	124633.3	+1312.4	2692	9.0	133021.9	+1340.8	2782	5.7	141215.8	+1340.9	2872	9.5	145135.3	+1323.5
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2611	9.5	125119.3	+1307.4	2701	9.2	133450.4	+1302.0	2791	9.5	141541.8	+1354.3	2881	9.5	145438.4	+1314.7
2612	9.3	125235.0	+1243.6	2702	9.2	133600.5	+1325.1	2792	9.5	141638.8	+1310.3	2882	9.4	145443.8	+1312.3
2613	9.3	125313.1	+1306.5	2703	9.3	133716.9	+1356.8	2793	9.5	141647.3	+1333.7	2883	9.4	145452.6	+1344.6
2614	9.3	125316.1	+1310.7	2704	9.3	133723.2	+1326.8	2794	9.3	141747.5	+1312.6	2884	8.8	145457.8	+1349.7
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2617	9.5	125331.6	+1348.0	2707	8.5	133932.5	+1323.0	2797	9.5	141850.8	+1319.2	2887	9.5	145642.5	+1323.1
2618	9.3	125337.7	+1368.5	2708	9.3	134003.5	+1240.8	2798	8.1	142014.8	+1302.7	2888	8.8	145651.6	+1305.7
2619	8.0	125410.3	+1356.7	2709	9.0	134013.5	+1339.2	2799	9.5	142100.3	+1216.0	2889	8.3	145704.6	+1340.7
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2623	9.5	125519.9	+134.2	2713	9.2	134216.9	+1356.0	2803	9.2	142307.9	+1332.4	2893	9.5	145952.0	+1326.2
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4750	9.0	213102.6	+1322.0	4840	8.6	215723.4	+1308.0	4928	9.5	222241.8	+1343.8	5018	8.5	224658.8	+1356.5
4751	7.7	213132.8	+1302.3	4841	9.0	215729.9	+1324.8	4929	9.2	222326.9	+1335.2	5019	9.5	224718.8	+1314.7
4752	9.1	213134.9	+1354.4	4842	7.2	215812.9	+1347.2	4930	9.5	222347.1	+1356.7	5020	8.5	224859.1	+1307.5
4753	9.4	213143.4	+1325.5	4843	9.5	215828.5	+1351.0	4931	9.5	222403.3	+1356.3	5021	9.5	224905.8	+1314.7
4754	9.4	213203.2	+1314.0	4844	9.3	215842.1	+1333.6	4932	9.5	222414.6	+1308.0	5022	9.2	224910.8	+1307.6
4755	8.8	213245.4	+1355.9	4845	9.5	215850.9	+1323.8	4933	9.5	222438.5	+1341.2	5023	9.3	224917.0	+1328.9
4756	8.3	213255.8	+1306.9	4846	9.2	215853.7	+1315.5	4934	9.0	222445.9	+1322.0	5024	7.5	224968.3	+1339.2
4757	9.0	213256.9	+1349.2	4847	9.2	215931.8	+1357.3	4935	9.2	222451.1	+1303.6	5025	7.5	224955.8	+1315.0
4758	8.8	213259.8	+1314.0	4848	9.5	215953.0	+1334.1	4936	8.3	222542.7	+1328.6	5026	9.5	225002.1	+1359.6
4759	9.1	213321.9	+1301.5	4849	9.5	220011.9	+1358.6	4937	9.5	222557.9	+1311.6	5027	9.2	225054.4	+1356.0
4760	9.2	213325.4	+1330.0	4850	9.3	220077.4	+1325.1	4938	9.5	222617.4	+1324.8	5028	8.0	225101.8	+1356.3
4761	9.5	213340.3	+1309.0	4851	9.2	220048.4	+1343.7	4939	9.5	222638.8	+1352.9	5029	8.8	225122.8	+1317.4
4762	9.5	213346.9	+1300.3	4852	9.1	220104.9	+1324.4	4940	9.1	222700.2	+1352.8	5030	9.5	225151.3	+1344.7
4763	9.2	213354.3	+1315.1	4853	9.3	220117.4	+1357.9	4941	9.5	222701.7	+1301.6	5031	9.5	225158.1	+1352.3
4764	9.1	213410.4	+1332.5	4854	9.2	220125.7	+1351.3	4942	9.3	222713.9	+1354.5	5032	9.1	225233.3	+1336.1
4765	9.4	213454.3	+1330.0	4855	9.5	220245.9	+1344.8	4943	9.3	222722.4	+1313.0	5033	7.7	225240.3	+1305.2
4766	9.1	213456.9	+1311.6	4856	9.3	220248.1	+1335.0	4944	7.0	222805.1	+1351.2	5034	7.7	225257.3	+1309.5
4767	9.0	213456.9	+1335.6	4857	8.8	220255.3	+1305.5	4945	9.1	222805.4	+1334.0	5035	9.0	225303.5	+1351.7
4768	9.5	213516.6	+1312.1	4858	9.5	220312.9	+1311.5	4946	9.2	222828.4	+1328.9	5036	9.0	225304.8	+1332.3
4769	9.5	213523.5	+1339.5	4859	9.5	220314.2	+1318.9	4947	9.0	222832.9	+1341.0	5037	8.0	225306.8	+1315.4
4770	9.5	213552.4	+1352.6	4860	8.2	220316.4	+1303.2	4948	9.0	222834.1	+1324.1	5038	9.5	225342.3	+1335.9
4771	9.5	213629.8	+1359.9	4861	6.2	220320.0	+1354.5	4949	9.5	222836.4	+1301.0	5039	9.0	225346.1	+1354.9
4772	9.4	213706.5	+1358.1	4862	8.7	220345.4	+1314.1	4950	9.3	222838.4	+1316.5	5040	9.3	225403.3	+1331.7
4773	9.3	213726.8	+1332.8	4863	9.5	220410.9	+1348.0	4951	9.5	222911.9	+1330.0	5041	8.5	225433.0	+1356.3
4774	9.5	213742.2	+1355.9	4864	9.3	220432.9	+1325.0	4952	9.4	222912.4	+1321.6	5042	9.5	225435.8	+1308.8
4775	9.4	213810.3	+1345.7	4864a	30.0	220436.0	+1338.0	4953	8.9	222914.9	+1358.2	5043	9.5	225507.4	+1358.0
4776	9.5	213820.9	+1310.3	4865	9.5	220439.8	+1342.1	4954	9.1	222946.2	+1347.0	5044	9.4	225515.0	+1310.0
4777	9.5	213834.8	+1336.0	4866	9.5	220458.4	+1310.2	4955	8.6	223007.9	+1303.9	5045	9.5	225516.8	+1309.1
4778	9.5	213838.1	+1358.2	4866a	9.5	220508.0	+1348.1	4956	9.5	223019.4	+1355.9	5046	9.5	225520.2	+1336.8
4779	9.4	213857.5	+1344.9	4867	9.5	220511.4	+1301.2	4957	9.1	223042.1	+1330.6	5047	9.5	225531.3	+1301.6
4780	8.6	213908.8	+1322.7	4868	9.3	220511.4	+1353.9	4958	9.0	223047.4	+1301.6	5048	9.5	225539.8	+1306.0
4781	7.0	213947.2	+1303.1	4869	8.5	220540.1	+1312.0	4959	9.5	223048.1	+1308.1	5049	9.0	225617.8	+1354.1
4782	9.4	214132.4	+1359.4	4870	9.5	220552.4	+1338.2	4960	8.5	223121.9	+1327.6	5050	9.5	225705.3	+1317.8
4783	9.0	214202.3	+1342.9	4871	9.5	220604.6	+1348.6	4961	9.5	223127.4	+1327.8	5051	9.0	225716.8	+1341.0
4784	9.4	214230.5	+1320.9	4872	9.5	220617.4	+1314.0	4962	9.5	223132.2	+1353.0	5052	9.3	225729.5	+1351.7
4785	9.2	214247.4	+1322.1	4873	9.5	220642.9	+1348.6	4963	9.0	223142.4	+1337.3	5053	8.1	225814.6	+1339.5
4786	9.1	214312.1	+1353.4	4874	9.1	220648.1	+1310.2	4964	9.5	223200.6	+1303.9	5054	9.2	225820.1	+1356.5
4787	9.5	214321.8	+1341.9	4875	9.5	220703.2	+1335.1	4965	9.1	223207.4	+1331.4	5055	9.0	225820.8	+1348.2
4788	9.5	214335.4	+1310.6	4876	9.5	220733.8	+1305.7	4966	9.5	223215.9	+1338.6	5056	9.5	225822.6	+1340.1
4789	9.5	214348.2	+1307.7	4877	9.5	220821.9	+1336.6	4967	9.2	223225.9	+1324.4	5057	9.5	225821.6	+1300.6
4790	9.5	214412.9	+1336.2	4878	9.5	220825.3	+1309.0	4968	9.5	223233.9	+1313.7	5058	9.5	230124.2	+1327.3
4791	9.2	214421.4	+1321.3	4879	9.2	220838.4	+1325.8	4969	8.3	223255.0	+1354.3	5059	7.7	230244.2	+1339.4
4792	9.2	214434.3	+1358.8	4880	9.1	220853.0	+1305.0	4970	9.5	223310.9	+1307.1	5060	9.5	230316.3	+1317.5
4793	9.0	214442.4	+1309.9	4881	9.4	220857.4	+1319.5	4971	5.8	223342.1	+1347.2	5061	9.5	230319.3	+1329.7
4794	9.2	214446.3	+1341.5	4882	9.5	221016.0	+1342.0	4972	9.3	223351.4	+1315.1	5062	9.3	230318.3	+1324.1
4795	9.1	214503.9	+1346.5	4883	9.5	221024.9	+1330.0	4973	9.0	223404.4	+1347.3	5063	9.5	230343.8	+1335.0
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989	9.5	55342.4	+1205.6	1079	9.4	60725.7	+1249.6	1168	9.5	62040.8	+1215.9	1257	8.6	63538.3	+1211.4
990	9.5	55403.3	+1226.3	1080	9.4	60733.5	+1208.5	1169	9.2	62046.1	+1210.5	1258	9.3	63541.4	+1220.8
991	9.5	55405.0	+1238.8	1081	6.0	60736.4	+1235.5	1170	9.3	62047.7	+1236.6	1259	9.5	63609.6	+1257.9
992	9.0	55405.3	+1209.6	1082	9.4	60809.4	+1239.2	1171	9.1	62056.5	+1214.6	1260	9.5	63616.9	+1241.7
993	8.2	55412.4	+1257.8	1083	9.4	60815.9	+1226.8	1172	9.4	62108.3	+1200.3	1261	8.3	63622.5	+1200.3
994	8.2	55423.6	+1240.4	1084	6.1	60818.6	+1218.4	1173	8.5	62110.5	+1238.4	1262	9.4	63630.0	+1258.9
995	9.1	55447.4	+1213.4	1085	9.2	60827.2	+1232.1	1174	9.5	62143.4	+1255.3	1263	9.3	63642.4	+1269.9
996	9.2	55447.6	+1201.3	1086	9.2	60831.9	+1218.7	1175	9.2	62143.6	+1215.7	1264	8.9	63644.7	+1213.3
997	9.5	55448.0	+1230.6	1087	9.0	60835.0	+1254.3	1176	9.5	62149.7	+1258.3	1265	9.3	63645.4	+1254.1
998	9.5	55451.7	+1226.2	1088	9.1	60840.4	+1207.6	1177	9.4	62245.1	+1234.5	1266	8.8	63654.0	+1234.7
999	8.9	55454.2	+1236.2	1089	9.2	60800.3	+1201.7	1178	9.3	62248.9	+1206.6	1267	8.6	63655.7	+1233.0
1000	8.0	55506.5	+1237.3	1090	9.4	60809.5	+1233.7	1179	9.5	62248.9	+1233.9	1268	8.6	63700.1	+1225.9
1001	9.5	55522.8	+1255.7	1091	8.7	60914.1	+1256.0	1180	9.5	62321.9	+1246.0	1269	9.4	63700.5	+1258.1
1002	9.5	55538.3	+1208.2	1092	9.5	60924.5	+1201.3	1181	9.4	62331.1	+1252.5	1270	9.2	63704.8	+1217.1
1003	9.3	55547.4	+1201.5	1093	9.2	60935.3	+1258.6	1182	9.2	62332.0	+1258.7	1271	9.2	63710.8	+1220.6
1004	9.2	55557.8	+1213.1	1094	9.2	60945.6	+1222.0	1183	9.4	62407.8	+1222.3	1272	9.5	63715.2	+1219.6
1005	9.0	55600.0	+1232.1	1095	9.5	60955.7	+1227.2	1184	9.0	62410.9	+1217.4	1273	9.5	63717.3	+1225.6
1006	9.0	55605.2	+1245.8	1096	9.5	61008.5	+1224.0	1185	9.0	62425.0	+1250.9	1274	9.4	63725.3	+1223.5
1007	9.1	55608.1	+1258.6	1096a	9.5	61016.6	+1254.5	1186	9.1	62452.3	+1256.2	1275	8.0	63745.7	+1250.6
1008	8.8	55710.6	+1238.8	1097	9.0	61029.2	+1210.4	1187	9.1	62455.4	+1256.9	1276	9.3	63750.0	+1210.7
1009	9.0	55714.0	+1227.4	1098	9.5	61030.1	+1243.3	1188	9.4	62440.2	+1218.0	1277	9.0	63818.8	+1252.2
1010	9.4	55722.6	+1251.1	1099	9.0	61050.8	+1212.5	1189	9.4	62455.3	+1234.3	1278	9.5	63821.6	+1258.2
1011	9.5	55724.5	+1226.2	1100	9.2	61031.0	+1225.3	1190	9.0	62456.6	+1227.9	1279	9.3	63831.6	+1201.0
1012	8.5	55730.0	+1243.3	1101	9.1	61023.8	+1258.9	1191	9.5	62511.9	+1226.1	1280	9.3	63833.7	+1214.3
1013	8.2	55753.4	+1229.3	1102	9.4	61045.2	+1257.6	1192	9.5	62512.7	+1204.4	1281	8.4	63850.9	+1201.9
1014	9.0	55756.6	+1254.5	1103	8.3	61050.0	+1245.6	1193	9.5	62516.2	+1200.6	1282	9.6	63852.5	+1213.8
1015	9.5	55809.0	+1216.5	1104	9.5	61050.5	+1256.9	1194	9.3	62547.9	+1249.5	1283	9.4	63856.8	+1241.7
1016	9.2	55813.0	+1252.3	1105	7.9	61057.4	+1248.3	1195	9.2	62612.6	+1229.0	1284	9.4	63857.8	+1255.5
1017	9.1	55814.2	+1259.2	1106	8.4	61104.6	+1256.3	1196	9.3	62613.5	+1239.6	1285	8.6	63900.2	+1251.1
1018	9.0	55815.8	+1220.1	1107	9.2	61124.1	+1258.5	1197	9.0	62615.6	+1250.7	1286	8.9	63903.9	+1204.5
1019	9.3	55821.3	+1245.5	1108	8.8	61125.9	+1231.5	1198	8.3	62621.3	+1257.2	1287	9.4	63907.7	+1204.3
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1021	9.5	55838.6	+1213.1	1110	8.0	61132.0	+1221.0	1200	9.4	62627.1	+1212.8	1289	9.4	63916.8	+1208.1
1022	8.5	55842.6	+1201.6	1111	9.1	61142.1	+1258.5	1201	8.9	62636.1	+1207.5	1290	9.5	63923.6	+1245.1
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1024	9.5	55901.4	+1245.6	1113	9.0	61154.6	+1252.6	1203	9.5	62642.0	+1219.0	1292	9.1	63946.8	+1250.7
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1690	9.5	74253.5	+1216.7	1780	9.5	80052.5	+1237.6	1869	9.0	82731.1	+1232.7	1959	9.5	85629.3	+1237.3
1691	8.8	74301.4	+1215.9	1781	9.4	80100.5	+1216.1	1870	9.0	82733.3	+1236.9	1960	8.8	85634.3	+1247.4
1692	9.5	74311.3	+1237.7	1782	9.3	80101.5	+1222.6	1871	9.0	82829.4	+1221.6	1961	9.0	85653.8	+1207.4
1693	9.5	74332.0	+1213.8	1783	9.0	80110.5	+1223.4	1872	8.5	82833.4	+1211.6	1962	9.5	85703.6	+1258.0
1694	9.5	74335.4	+1207.6	1784	9.5	80156.4	+1250.8	1873	9.5	82852.3	+1233.1	1963	8.7	85703.6	+1208.1
1695	9.5	74358.0	+1216.9	1785	9.5	80206.7	+1256.3	1874	9.3	82855.4	+1210.9	1964	9.5	85755.8	+1242.5
1696	9.5	74401.1	+1258.3	1786	9.5	80220.3	+1202.9	1875	9.5	82927.5	+1259.2	1965	9.0	85811.9	+1230.3
1697	9.5	74406.1	+1219.7	1787	9.1	80224.1	+1213.3	1876	9.0	82941.4	+1238.0	1966	9.5	85835.8	+1210.2
1698	9.8	74430.6	+1223.2	1788	8.8	80341.5	+1215.0	1877	9.5	82947.3	+1227.2	1967	9.3	85903.4	+1246.6
1699	9.0	74431.1	+1223.5	1789	9.2	80431.4	+1203.1	1878	9.0	83012.6	+1227.6	1968	9.5	85909.5	+1201.3
1700	9.5	74434.0	+1204.0	1790	9.1	80437.1	+1233.1	1879	9.3	83012.8	+1253.0	1969	9.5	85933.6	+1226.0
1701	6.4	74434.6	+1224.5	1791	9.5	80449.5	+1224.1	1880	9.3	83019.8	+1256.3	1970	9.4	85933.9	+1211.3
1702	9.2	74526.2	+1204.0	1792	9.3	80456.4	+1236.6	1881	9.0	83025.3	+1259.2	1971	9.2	85939.5	+1200.9
1703	9.4	74529.8	+1227.3	1793	9.1	80529.8	+1208.7	1882	9.4	83047.7	+1203.3	1972	9.5	90014.0	+1203.4
1704	9.4	74530.4	+1217.0	1794	9.4	80548.1	+1233.1	1883	9.1	83057.6	+1233.8	1973	7.5	90019.8	+1231.4
1705	9.5	74531.7	+1234.2	1795	9.3	80602.8	+1234.2	1884	9.5	83057.9	+1219.8	1974	9.5	90034.4	+1209.5
1706	8.9	74539.6	+1222.9	1796	9.0	80603.8	+1242.8	1885	9.5	83117.7	+1201.7	1975	9.5	90049.9	+1245.0
1707	9.5	74545.5	+1255.9	1797	9.4	80609.7	+1223.8	1886	9.0	83147.9	+1230.0	1976	9.5	90113.8	+1223.4
1708	9.4	74637.9	+1210.8	1798	9.5	80614.3	+1258.2	1887	9.5	83148.2	+1203.6	1977	9.5	90116.3	+1256.1
1709	9.5	74641.2	+1227.8	1799	9.5	80646.5	+1229.3	1888	8.1	83155.0	+1202.3	1978	9.5	90121.3	+1243.2
1710	9.0	74647.0	+1244.6	1800	9.5	80651.8	+1234.5	1889	9.5	83156.1	+1206.7	1979	7.0	90154.8	+1209.5
1711	9.5	74652.7	+1203.8	1801	9.5	80749.5	+1234.8	1890	9.3	83199.9	+1226.1	1980	9.2	90219.8	+1205.7
1712	7.3	74658.2	+1256.7	1802	9.5	80808.7	+1257.8	1891	9.0	83343.4	+1241.1	1981	8.5	90224.3	+1232.0
1713	9.4	74704.0	+1250.6	1803	9.0	80833.9	+1210.1	1892	9.4	83346.3	+1228.6	1982	9.5	90229.4	+1214.0
1714	9.4	74723.6	+1223.3	1804	9.0	80837.1	+1234.5	1893	9.5	83401.8	+1204.8	1983	9.5	90234.4	+1242.8
1715	8.5	74759.8	+1211.0	1805	9.5	80840.3	+1205.7	1894	9.4	83407.5	+1246.3	1984	9.5	90300.9	+1240.0
1716	9.3	74814.4	+1206.4	1806	9.2	80906.1	+1227.8	1895	9.4	83445.3	+1200.5	1985	9.1	90317.5	+1259.0
1717	8.0	74826.5	+1207.9	1807	9.3	80915.3	+1252.1	1896	9.5	83447.3	+1204.8	1986	9.5	90405.4	+1200.9
1718	9.4	74826.5	+1258.0	1808	9.5	80940.1	+1209.8	1897	9.5	83504.1	+1208.3	1987	9.5	90423.8	+1200.5
1719	9.5	74848.0	+1210.9	1809	9.4	80943.6	+1231.3	1898	9.5	83527.9	+1213.3	1988	9.5	90428.9	+1220.9
1720	9.5	74849.5	+1254.2	1810	9.1	80952.8	+1251.8	1899	9.4	83558.6	+1247.0	1989	9.5	90433.4	+1235.2
1721	8.2	74855.4	+1204.4	1811	9.5	81001.5	+1239.3	1900	9.2	83715.9	+1256.4	1990	9.0	90450.8	+1240.4
1722	9.3	74902.3	+1234.4	1812	8.5	81010.3	+1206.2	1901	9.4	83730.8	+1251.3	1991	8.7	90500.0	+1250.2
1723	9.5	74919.1	+1237.2	1813	9.4	81032.1	+1256.7	1902	9.3	83804.6	+1230.0	1992	9.0	90510.3	+1222.7
1724	9.5	74923.5	+1240.3	1814	9.5	81110.2	+1205.2	1903	9.5	83857.3	+1216.4	1993	9.3	90529.4	+1231.7
1725	9.4	74932.2	+1256.4	1815	9.5	81112.8	+1230.7	1904	6.2	83859.6	+1238.3	1994	9.0	90616.3	+1215.0
1726	9.5	74942.9	+1235.6	1816	9.4	81120.4	+1200.3	1905	9.5	83936.1	+1248.7	1995	8.5	90633.3	+1211.6
1727	9.5	74954.0	+1245.0	1817	9.5	81204.1	+1250.8	1906	8.7	83937.6	+1241.1	1996	9.5	90646.4	+1220.5
1728	8.5	75001.6	+1225.0	1818	9.1	81206.0	+1205.0	1907	9.5	83955.4	+1220.4	1997	8.3	90649.8	+1205.5
1729	8.6	75008.3	+1202.5	1819	9.5	81219.8	+1219.9	1908	9.4	84007.2	+1209.2	1998	9.5	90651.7	+1202.2
1730	9.5	75023.2	+1240.4	1820	9.5	81224.8	+1258.5	1909	9.5	84012.4	+1251.5	1999	9.5	90705.7	+1259.2
1731	9.5	75031.9	+1250.3	1820a	9.5	81253.7	+1214.7	1910	9.5	84018.3	+1224.0	2000	9.3	90706.1	+1247.0
1732	8.6	75040.9	+1250.3	1821	9.3	81353.8	+1215.4	1911	8.5	84022.6	+1206.2	2001	9.4	90721.4	+1231.7
1733	8.2	75041.7	+1230.0	1822	9.4	81428.2	+1203.7	1912	9.5	84116.8	+1252.5	2002	9.3	90733.9	+1217.4
1734	8.3	75055.7	+1205.2	1823	9.5	81430.8	+1210.2	1913	9.5	84136.9	+1223.0	2003	9.5	90826.8	+1250.8
1735	9.5	75058.5	+1258.2	1824	9.5	81452.4	+1251.1	1914	8.5	84137.3	+1242.1	2004	9.3	90913.4	+1241.4
1736	8.4	75159.0	+1251.0	1825	9.3	81455.1	+1258.4	1915	9.5	84141.8	+1248.7	2005	9.5	90919.5	+1244.6
1737	9.3	75219.3	+1216.1	1826	8.8	81509.8	+1239.3	1916	9.5	84152.9	+1207.7	2006	9.5	90921.1	+1216.1
1738	8.0	75219.3	+1236.1	1827	9.3	81522.0	+1204.6	1917	9.5	84159.4	+1214.0	2007	9.5	90942.9	+1218.2
1739	9.5	75221.0	+1205.5	1828	9.5	81535.5	+1217.9	1918	9.3	84205.8	+1227.5	2008	9.5	90958.0	+1249.8
1740	9.2	75238.4	+1214.4	1829	9.5	81537.1	+1232.2	1919	9.3	84215.8	+1223.0	2009	7.0	90959.9	+1206.5
1741	9.1	75238.7	+1230.1	1830	9.5	81555.1	+1228.9	1920	9.5	84219.9	+1227.2	2010	9.1	91012.5	+1245.8
1742	9.4	75241.1	+1201.7	1831	9.0	81652.7	+1211.9	1921	9.5	84219.9	+1254.0	2011	9.5	91016.0	+1205.6
1743	8.5	75255.8	+1250.4	1832	8.2	81656.1	+1242.2	1922	9.5	84245.8	+1237.9	2012	9.3	91020.8	+1255.8
1744	9.3	75328.6	+1201.2	1833	9.2	81703.6	+1239.1	1923	9.5	84252.1	+1256.7	2013	9.5	91040.7	+1209.4
1745	9.4	75331.0	+1257.0	1834	9.5	81734.8	+1220.2	1924	9.3	84322.4	+1251.3	2014	8.7	91102.5	+1255.9
1746	9.5	75333.4	+1205.1	1835	9.5	81737.4	+1253.7	1925	8.0	84330.8	+1239.4	2015	9.5	91109.7	+1202.7
1747	9.0	75412.7	+1219.3	1836	9.5	81737.4	+1252.4	1926	20.0	84331.0	+1220.0	2016	9.4	91121.5	+1238.2
1748	7.3	75429.3	+1250.9	1837	9.5	81827.1	+1246.0	1927	8.0	84353.8	+1225.4	2017	9.4	91131.9	+1256.1
1749	8.0	75429.7	+1238.0	1838	9.5	81838.5	+1214.3	1928	9.5	84401.1	+1258.5	2018	9.3	91135.4	+1206.9
1750	8.9	75437.2	+1216.1	1839	9.2	81925.4	+1217.9	1929	9.3	84412.4	+1250.6	2019	9.5	91211.3	+1242.2
1751	9.0	75438.7	+1227.4	1840	9.2	81932.5	+1227.3	1930	9.5	84421.1	+1215.7	2020	8.9	91236.8	+1208.2
1752	9.5	75444.2	+1226.0	1841	9.4	81934.0	+1250.0	1931	9.2	84502.1	+1253.8	2021	8.5	91304.2	+1234.5
1753	9.3	75516.8	+1244.0	1842	9.2	81934.0	+1208.7	1932	9.4	84507.0	+1214.1	2022	9.0	91307.9	+1232.3
1754	6.9	75528.1	+1235.0	1843	9.5	82001.6	+1238.7	1933	9.5	84535.9	+1242.1	2023	8.5	91323.8	+1251.5
1755	9.5	75541.3	+1215.0	1844	7.8	82005.2	+1210.1	1934	9.5	84605.2	+1213.0	2024	8.6	91330.7	+1257.9
1756	9.2	75557.0	+1219.8	1845	9.0	82022.8	+1230.7	1935	9.5	84634.4	+1251.1	2025	9.5	91355.2	+1254.5
1757	9.0	75557.6	+1249.8	1846	9.3	82030.5	+1240.7	1936	9.5	84641.8	+1219.5	2026	9.2	91418.7	+1253.7
1758	9.3	75616.6	+1258.0	1847	9.3	82049.5	+1230.0	1937	9.5	84647.7	+1203.0	2027	9.4	91540.3	+1207.2
1759	8.2	75620.4	+1242.4	1848	9.5	82059.1	+1257.4	1938	9.3	84706.2	+1204.6	2028	9.5	91548.9	+1205.1
1760	8.9	75642.7	+1228.9	1849	9.2	82105.8	+1219.5	1939	9.5	84728.4	+1240.0	2029	9.5	91612.5	+1256.0
1761	9.5	75650.0	+1259.2	1850	9.3	82112.8	+1237.3	1940	9.4	84737.4	+1254.5	2030	9.5	91619.5	+1229.6
1762	8.7	75652.8	+1236.2	1851	9.0	82125.4	+1204.3	1941	5.8	84800.1	+1211.4	2031	9.4	91720.0	+1248.5
1763	9.5	75718.1	+1227.9	1852	9.2	82127.1	+1251.3	1942	8.5	84835.8	+1258.7	2032	9.5	91736.4	+1206.7
1764	9.3	75721.4	+1243.2	1853											

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3139	9.3	165818.8	+1206.8	3229	8.9	172240.8	+1203.4	3319	9.0	174703.4	+1206.8	3409	9.4	180331.7	+1219.6
3140	8.8	165821.2	+1230.7	3230	9.5	172248.5	+1203.6	3320	9.5	174710.3	+1250.6	3410	9.5	180334.7	+1241.7
3141	8.5	165840.4	+1231.3	3231	8.5	172306.0	+1202.2	3321	9.5	174731.8	+1202.5	3411	9.5	180335.6	+1251.4
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3154	9.0	170040.2	+1202.7	3244	9.5	172627.0	+1224.2	3334	9.5	174953.6	+1204.3	3424	9.5	180607.8	+1233.3
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3157	9.5	170139.7	+1247.5	3247	9.4	172716.2	+1240.3	3337	9.3	175045.0	+1206.8	3427	9.4	180628.6	+1211.1
3158	9.4	170143.7	+1222.3	3248	8.2	172718.3	+1237.9	3338	9.5	175058.0	+1201.7	3428	9.3	180641.2	+1214.9
3159	8.3	170212.8	+1251.9	3249	9.5	172746.4	+1254.0	3339	9.0	175101.2	+1222.4	3429	9.5	180649.8	+1225.7
3160	9.5	170321.7	+1231.7	3250	9.4	172757.3	+1208.0	3340	9.5	175124.8	+1215.6	3430	9.5	180653.4	+1219.2
3161	7.0	170402.2	+1238.9	3251	9.5	172758.6	+1257.2	3341	9.5	175125.0	+1202.5	3431	9.4	180735.9	+1202.0
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3164	9.5	170537.4	+1218.0	3254	9.5	172853.9	+1218.9	3344	9.5	175210.7	+1246.5	3434	9.5	180813.8	+1218.6
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3166	9.4	170559.4	+1257.5	3256	7.0	172906.7	+1208.0	3346	8.5	175218.2	+1227.2	3436	8.2	180853.3	+1259.1
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3169	9.4	170612.6	+1219.2	3259	9.1	172939.4	+1242.6	3349	9.3	175229.4	+1258.3	3439	9.2	180945.8	+1254.0
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3171	9.5	170631.5	+1203.3	3261	9.0	173013.3	+1219.2	3351	7.7	175235.4	+1205.9	3441	9.3	180956.4	+1214.0
3172	9.5	170635.7	+1237.5	3262	9.4	173014.1	+1241.3	3352	9.1	175244.5	+1258.5	3442	9.3	180957.8	+1202.8
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3179	8.9	170816.2	+1247.2	3269	9.4	173230.2	+1216.0	3359	9.2	175433.7	+1207.0	3449	9.0	181046.4	+1209.2
3180	8.4	170843.2	+1205.7	3270	9.5	173242.9	+1236.1	3360	9.5	175503.8	+1255.7	3450	9.5	181051.7	+1215.4
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3848	9.4	190539.3	+1202.1	3937	9.5	192340.7	+1225.8	4027	7.0	193422.7	+1250.2	4117	9.4	194552.0	+1232.8
3849	8.7	190546.9	+1228.2	3938	9.5	192344.2	+1223.1	4028	9.2	193431.1	+1241.8	4118	9.4	194607.6	+1230.8
3850	9.5	190551.4	+1244.6	3939	9.2	192345.6	+1201.5	4029	9.3	193439.5	+1259.1	4119	9.5	194608.9	+1214.4
3851	8.9	190552.7	+1238.6	3940	7.5	192349.2	+1231.3	4030	9.2	193447.2	+1209.2	4120	8.9	194631.7	+1201.9
3852	9.4	190600.3	+1245.1	3941	9.5	192356.3	+1209.8	4031	9.5	193455.3	+1218.8	4121	9.3	194632.6	+1238.9
3853	9.5	190621.3	+1225.8	3942	8.9	192359.1	+1244.6	4032	9.5	193503.4	+1217.2	4122	8.1	194636.7	+1252.6
3854	9.4	190624.2	+1219.8	3943	9.2	192410.9	+1258.3	4033	9.5	193505.3	+1253.8	4123	9.5	194644.1	+1240.7
3855	9.4	190629.7	+1237.8	3944	8.8	192444.9	+1228.2	4034	8.5	193510.3	+1254.5	4124	8.5	194653.7	+1222.5
3856	9.3	190632.5	+1255.3	3945	8.5	192448.3	+1251.3	4035	8.8	193510.9	+1233.6	4125	9.4	194703.2	+1247.2
3857	9.3	190729.0	+1255.7	3946	9.5	192450.0	+1201.7	4036	9.3	193518.9	+1220.1	4126	9.1	194705.2	+1215.6
3858	9.1	190808.9	+1213.7	3947	9.5	192454.3	+1209.2	4037	9.5	193521.5	+1233.6	4127	9.5	194708.0	+1244.3
3859	9.5	190859.0	+1209.6	3948	9.0	192456.1	+1249.6	4038	9.3	193522.7	+1248.8	4128	9.5	194709.9	+1200.3
3860	9.4	190859.6	+1246.1	3949	9.5	192519.7	+1222.4	4039	9.5	193528.1	+1241.5	4129	8.6	194716.8	+1253.6
3861	7.8	190914.8	+1251.7	3950	9.3	192533.4	+1235.0	4040	8.7	193534.4	+1204.4	4130	9.5	194746.2	+1240.6
3862	9.5	190944.2	+1210.2	3951	9.3	192534.1	+1219.4	4041	9.5	193535.1	+1207.6	4131	9.5	194747.9	+1254.8
3863	8.7	190948.1	+1253.0	3952	9.4	192537.4	+1251.0	4042	8.8	193535.5	+1252.7	4132	9.3	194751.7	+1220.2
3864	9.5	191009.5	+1247.5	3953	9.2	192539.3	+1249.7	4043	9.5	193541.3	+1258.9	4133	8.8	194756.6	+1221.8
3865	9.5	191013.3	+1224.6	3954	9.5	192542.1	+1214.4	4044	8.0	193545.8	+1226.7	4134	9.5	194805.0	+1223.3
3866	9.5	191014.6	+1225.9	3955	9.5	192550.7	+1237.7	4045	9.4	193558.1	+1232.5	4135	9.5	194809.4	+1249.5
3867	8.4	191016.0	+1252.3	3956	9.3	192603.0	+1255.5	4046	9.3	193606.1	+1204.0	4136	9.5	194816.7	+1233.3
3868	9.5	191021.9	+1200.6	3957	8.8	192606.4	+1231.7	4047	9.5	193606.3	+1231.7	4137	9.4	194818.1	+1241.4
3869	8.9	191115.1	+1212.6	3958	9.4	192612.6	+1232.9	4048	9.5	193614.1	+1229.0	4138	9.5	194819.2	+1227.5
3870	9.5	191115.2	+1215.2	3959	9.2	192631.1	+1212.8	4049	9.5	193617.7	+1201.4	4139	8.2	194820.0	+1248.7
3871	9.4	191149.5	+1241.7	3960	9.2	192647.7	+1253.6	4050	9.2	193617.9	+1225.5	4140	9.4	194835.9	+1206.9
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3873	9.5	191201.3	+1201.1	3962	9.4	192712.3	+1210.3	4052	9.5	193636.5	+1229.0	4142	9.5	194850.5	+1259.2
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3877	9.5	191228.1	+1212.8	3966	9.5	192731.8	+1218.3	4056	7.7	193718.6	+1201.9	4146	8.5	194955.5	+1203.2
3878	9.5	191244.9	+1232.0	3967	9.5	192742.5	+1258.6	4057	9.5	193745.4	+1211.6	4147	9.5	194958.3	+1232.1
3879	5.5	191252.7	+1206.6	3968	8.9	192745.0	+1232.2	4058	9.5	193749.6	+1216.9	4148	9.5	195005.2	+1259.8
3880	8.8	191254.1	+1205.3	3969	9.5	192752.5	+1229.8	4059	6.0	193749.6	+1257.6	4149	9.3	195010.6	+1237.0
3881	7.7	191259.3	+1238.1	3970	9.2	192753.1	+1209.4	4060	7.4	193751.2	+1253.1	4150	9.1	195018.7	+1206.9
3882	9.5	191308.3	+1240.1	3971	9.5	192754.4	+1235.5	4061	8.6	193751.3	+1255.0	4151	9.0	195019.9	+1232.5
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3904	7.8	191921.7	+1218.7	3994	9.4	193057.0	+1220.8	4084	9.5	194139.5	+1209.0	4174	9.4	195239.7	+1256.6
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3906	9.5	191933.3	+1258.8	3996	8.9	193106.5	+1234.0	4086	9.2	194140.6	+1233.7	4176	9.4	195259.0	+1222.3
3907	6.0	191940.2	+1244.7	3997	8.2	193114.7	+1217.4	4087	9.5	194142.6	+1212.1	4177	9.5	195304.3	+1252.2
3908	9.5	191944.1	+1245.9	3998	9.0	193120.0	+1205.2	4088	9.4	194157.8	+1208.1	4178	9.3	195309.6	+1253.7
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213	9.3	13237.5	+1109.0	302	9.5	20640.9	+1105.5	392	9.3	24022.1	+1117.0	482	9.5	32231.7	+1134.5
214	9.5	13256.8	+1118.7	303	9.5	20703.2	+1149.8	393	9.5	24034.1	+1102.2	483	9.0	32234.9	+1101.8
215	9.5	13314.3	+1111.5	304	9.2	20709.4	+1102.9	394	9.5	24034.2	+1135.6	484	9.0	32239.2	+1122.4
216	9.1	13325.5	+1122.4	305	8.9	20710.9	+1133.6	395	8.8	24055.8	+1148.5	485	9.5	32259.3	+1145.7
217	9.5	13415.6	+1118.8	306	9.3	20723.5	+1106.3	396	9.5	24134.4	+1131.1	486	9.5	32305.1	+1105.3
218	8.5	13417.7	+1112.9	307	8.3	20737.0	+1143.0	397	8.6	24151.0	+1132.0	487	7.3	32415.9	+1103.1
219	9.1	13432.1	+1155.1	308	9.5	20738.9	+1121.3	398	8.4	24227.4	+1100.9	488	8.5	32426.6	+1152.3
220	9.1	13453.2	+1116.5	309	8.0	20837.2	+1143.0	399	8.5	24238.2	+1116.3	489	9.4	32444.2	+1137.8
221	8.5	13519.5	+1150.1	310	9.4	20846.5	+1156.3	400	9.5	24302.4	+1146.0	490	9.5	32539.0	+1137.6
222	9.5	13604.8	+1139.2	311	9.5	20850.9	+1129.0	401	9.5	24304.9	+1145.4	491	9.3	32540.6	+1155.5
223	9.5	13618.4	+1105.6	312	9.5	20934.7	+1149.2	402	9.5	24401.0	+1142.5	492	9.5	32645.9	+1143.9
224	9.5	13629.2	+1154.4	313	9.3	21017.2	+1132.7	403	9.5	24427.5	+1135.7	493	9.3	32659.4	+1122.0
225	9.3	13644.6	+1124.5	314	9.4	21053.0	+1142.1	404	9.5	24429.0	+1114.7	494	9.5	32720.5	+1123.1
226	9.5	13644.7	+1106.0	315	8.7	21110.8	+1131.5	405	9.5	24454.2	+1120.6	495	9.5	32736.0	+1135.6
227	9.5	13656.8	+1111.5	316	9.2	21112.9	+1121.3	406	8.8	24526.0	+1124.6	496	8.7	32828.5	+1131.7
228	9.3	13658.0	+1146.6	317	9.5	21126.2	+1156.3	407	9.0	24534.0	+1143.2	497	9.0	32840.3	+1159.6
229	9.3	13748.3	+1137.9	318	9.0	21132.6	+1118.3	408	9.3	24651.5	+1106.8	498	9.2	32854.2	+1157.5
230	9.5	13835.6	+1113.7	319	9.5	21152.5	+1153.5	409	9.4	24757.6	+1132.6	499	9.5	32907.6	+1154.6
231	9.2	13854.7	+1141.2	320	9.5	21235.7	+1146.1	410	9.3	24806.8	+1148.5	500	9.5	32957.2	+1112.7
232	9.0	13951.4	+1112.6	321	9.5	21236.7	+1128.1	411	9.5	24829.4	+1123.9	501	9.3	33019.0	+114.5
233	9.4	13955.5	+1117.1	322	9.5	21242.5	+1134.7	412	9.5	24856.2	+1138.2	502	9.5	33201.0	+1147.3
234	9.2	14006.8	+1132.1	323	8.9	21327.8	+1104.3	413	9.5	24903.2	+1114.4	503	9.5	33205.7	+1138.6
235	9.2	14012.0	+1135.2	324	9.5	21354.9	+1107.6	414	9.5	25000.5	+1122.7	504	9.2	33222.5	+1114.8
236	8.7	14127.1	+1140.1	325	9.5	21402.7	+1129.2	415	9.5	25107.7	+1110.1	505	9.2	33225.7	+1129.4
237	8.9	14133.4	+1152.5	326	8.5	21403.6	+1136.1	416	9.4	25120.8	+1135.4	506	9.5	33302.0	+1136.5
238	9.0	14134.1	+1126.2	327	9.5	21413.2	+1148.1	417	9.4	25126.2	+1126.2	507	9.1	33318.5	+1119.6
239	9.2	14138.9	+1118.1	328	9.5	21436.4	+1102.3	418	9.4	25134.5	+1159.3	508	9.5	33325.2	+1151.6
240	9.5	14151.7	+1112.2	329	9.4	21451.1	+1153.1	419	9.0	25156.7	+1123.4	509	9.5	33405.0	+1119.0
241	8.9	14247.2	+1117.5	330	9.5	21609.9	+1135.4	420	9.1	25255.0	+1122.5	510	8.6	33454.2	+1129.9
242	9.4	14423.7	+1149.1	331	9.4	21612.4	+1119.0	421	9.0	25306.8	+1107.3	511	9.5	33501.6	+1119.7
243	9.5	14425.9	+1142.4	332	8.8	21613.4	+1114.2	422	9.0	25341.4	+1131.2	512	9.5	33513.3	+1125.0
244	9.3	14429.1	+1154.3	333	9.5	21657.5	+1128.9	423	9.5	25351.2	+1142.6	513	8.8	33602.9	+1121.7
245	8.0	14452.7	+1143.3	334	9.5	21713.7	+1135.7	424	9.5	25448.4	+1146.5	514	8.9	33648.5	+1121.9
246	9.3	14521.2	+1112.6	335	7.3	21746.0	+1120.2	425	9.2	25512.7	+1106.7	515	9.0	33722.6	+1151.6
247	9.5	14532.6	+1133.2	336	8.5	21759.2	+1152.3	426	9.3	25555.8	+1125.6	516	8.8	33838.2	+1104.5
248	7.2	14545.2	+1158.3	337	9.0	21810.2	+1115.9	427	9.3	25610.4	+1151.7	517	8.5	33852.0	+1117.0
249	9.0	14612.3	+1155.1	338	9.5	21917.7	+1158.0	428	9.5	25623.2	+1101.4	518	9.5	33908.5	+1100.5
250	8.7	14742.6	+1132.4	339	8.8	21918.0	+1124.9	429	8.8	25700.2	+1107.9	519	9.0	33923.1	+1158.8
251	7.5	14752.9	+1152.0	340	8.7	21959.2	+1148.5	430	8.9	25715.2	+1135.7	520	9.5	33926.0	+1100.6
252	8.8	14755.5	+1106.2	341	9.4	22036.3	+1143.2	431	9.2	25716.2	+1149.1	521	9.5	33933.5	+1100.5
253	9.5	14807.5	+1159.8	342	9.5	22038.3	+1141.9	432	9.5	25804.8	+1131.0	522	9.5	33937.0	+1100.0
254	9.5	14809.5	+1155.4	343	9.4	22038.7	+1143.0	433	8.9	25818.2	+1121.6	523	9.5	33952.5	+1122.2
255	8.5	14816.7	+1134.5	344	9.5	22103.7	+1137.7	434	7.5	25824.0	+1106.0	524	9.5	34021.9	+1132.7
256	9.5	14841.3	+1142.2	345	8.0	22107.2	+1121.4	435	9.3	25833.9	+1108.2	525	9.5	34038.5	+1133.4
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259	9.5	15010.8	+1144.5	348	9.3	22146.4	+1155.2	438	9.3	25910.2	+1122.5	528	9.5	34208.4	+1126.1
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274	9.5	15641.2	+1143.7	363	9.2	22947.8	+1121.5	453	9.5	30639.0	+1143.8	543	8.5	34936.8	+1104.3
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276	9.5	15745.0	+1129.1	365	7.3	22955.0	+1138.6	455	9.4	30724.9	+1107.2	545	9.2	34952.2	+1109.4
277	9.5	15822.3	+1128.8	366	8.9	23029.3	+1108.0	456	8.0	30807.0	+1105.0	546	9.4	35003.5	+1129.3
278	9.1	15826.4	+1144.9	367	9.1	23146.7	+1115.0	457	9.5	30813.7	+1114.0	547	9.5	35022.5	+1101.0
279	9.5	15855.8	+1146.5	368	9.4	23206.2	+1116.2	458	9.5	30859.0	+1154.0	548	8.8	35027.4	+1142.1
280	9.3	15921.0	+1101.2	369	9.5	23209.4	+1107.8	459	8.3	31116.3	+1155.1	549	9.0	35036.6	+1150.8
281	9.5	15945.7	+1125.3	370	9.4	23226.5	+1137.4	460	9.0	31141.3	+1129.5	550	9.1	35106.2	+1113.7
282	9.5	20000.6	+1105.3	371	9.0	23317.8	+1150.1	461	9.5	31201.8	+1105.6	551	9.0	35127.2	+1122.4
283	9.5	20001.5	+1115.4	372	9.3	23444.8	+1131.1	462	7.5	31236.3	+1149.3	552	9.0	35140.0	+1102.7
284	9.4	20101.0	+1112.9	373	9.2	23447.2	+1140.8	463	8.8	31347.5	+1134.4	553	9.4	35147.7	+1133.7
285	9.4	20105.9	+1120.7	374	9.5	23515.0	+1150.4	464	9.4	31435.0	+1139.4	554	8.3	35149.3	+1107.8
286	9.5	20213.6	+1139.3	375	8.0	23556.7	+1123.3	465	9.5	31529.3	+1141.0	555	9.5	35204.5	+1150.5
287	9.5	20221.9	+1143.3	376	9.3	23626.1	+1158.0	466	9.2	31556.8	+1119.3	556	9.3	35206.2	+1128.2
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+11 1650 7h34m

+11 2009 9h11m

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+11 2010 9h11m

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+11 2369 11h25m

+11 2370 11h25m

+11 2729 14h42m

2370	8.8	112546.5	+1100.4	2460	9.5	121829.9	+1141.5	2550	8.7	130830.2	+1101.2	2640	9.4	140141.5	+1149.1
2371	9.1	112608.8	+1153.1	2461	9.5	121842.1	+1103.6	2551	9.5	130934.3	+1101.1	2641	9.0	140141.9	+1109.0
2372	6.7	112639.7	+1150.2	2462	9.5	121927.4	+1146.6	2552	8.8	130944.8	+1128.1	2642	9.5	140157.4	+1116.6
2373	9.3	112729.5	+1114.9	2463	9.5	121939.7	+1113.4	2553	9.5	131124.5	+1129.5	2643	9.2	140215.5	+1137.1
2374	9.5	112736.0	+1143.0	2464	8.7	122008.5	+1156.7	2554	9.2	131126.3	+1135.8	2644	9.1	140228.7	+1145.7
2375	9.4	112736.0	+1116.4	2465	9.2	122010.3	+1149.5	2555	9.0	131400.4	+1121.6	2645	9.3	140310.5	+1106.0
2376	6.7	112801.6	+1159.2	2466	9.5	122113.6	+1108.6	2556	9.3	131432.5	+1129.8	2646	9.5	140330.3	+1157.7
2377	6.8	112815.3	+1142.7	2467	8.8	122208.1	+1156.1	2557	9.5	131512.0	+1114.5	2647	9.5	140345.2	+1111.5
2378	9.5	112849.3	+1105.7	2468	9.5	122310.6	+1130.2	2558	9.5	131617.8	+1111.4	2648	8.9	140414.2	+1116.8
2379	8.7	112927.0	+1118.9	2469	9.3	122355.0	+1107.8	2559	9.2	131632.0	+1143.0	2649	9.5	140537.6	+1120.2
2380	9.5	112930.6	+1156.0	2470	8.7	122417.4	+1104.3	2560	9.0	131702.4	+1111.2	2650	8.4	140542.0	+1144.8
2381	9.2	112936.1	+1141.3	2471	9.2	122432.7	+1128.8	2561	9.3	131738.4	+1129.8	2651	9.0	140555.7	+1120.1
2382	9.3	113028.4	+1122.6	2472	9.4	122448.7	+1116.5	2562	8.8	131805.9	+1118.8	2652	9.2	140703.1	+1136.1
2383	9.3	113137.4	+1104.2	2473	6.4	122543.2	+1105.3	2563	8.3	131811.2	+1131.6	2653	9.5	140708.1	+1140.8
2384	8.8	113206.2	+1108.3	2474	7.5	122701.9	+1143.4	2564	9.3	131814.7	+1121.0	2654	9.5	140744.0	+1121.7
2385	9.3	113206.2	+1108.3	2475	8.0	122733.1	+1138.3	2565	9.5	131817.7	+1120.3	2655	9.5	140753.1	+1155.0
2386	9.3	113319.9	+1146.8	2476	9.2	122801.2	+1105.0	2566	9.5	131833.0	+1154.6	2656	9.5	140903.0	+1145.7
2387	8.7	113337.8	+1136.3	2477	8.3	122908.1	+1131.9	2567	9.2	131923.3	+1139.7	2657	9.3	140922.7	+1137.1
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2393	8.5	113606.9	+1130.1	2483	9.0	123321.0	+1143.9	2573	8.3	132107.4	+1113.8	2663	9.0	141133.2	+1103.1
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2430	9.5	115955.2	+1157.7	2520	8.2	125207.5	+1128.1	2610	8.7	134757.3	+1152.5	2700	9.0	143023.0	+1139.2
2431	9.5	120051.2	+1123.9	2521	9.4	125210.4	+1135.6	2611	9.3	134904.6	+1156.1	2701	9.5	143058.1	+1129.6
2432	9.3	120216.8	+1109.0	2522	9.2	125213.1	+1107.1	2612	9.5	134914.8	+1107.1	2702	9.2	143257.2	+1127.3
2433	9.4	120222.0	+1109.2	2523	9.3	125316.6	+1158.7	2613	8.5	135004.1	+1101.0	2703	9.3	143304.0	+1108.4
2434	9.5	120431.1	+1147.5	2524	9.4	125322.6	+1123.1	2614	9.5	135035.6	+1151.6	2704	9.5	143304.1	+1159.4
2435	9.2	120510.8	+1135.0	2525	9.3	125345.1	+1155.5	2615	9.3	135041.3	+1101.2	2705	9.4	143318.6	+1138.6
2436	8.2	120521.8	+1154.7	2526	8.9	125359.5	+1149.7	2616	9.5	135136.5	+1140.6	2706	9.5	143356.0	+1136.4
2437	9.5	120540.7	+1150.5	2527	8.5	125407.7	+1154.7	2617	9.5	135308.6	+1153.8	2707	9.2	143437.9	+1152.8
2438	9.5	120543.1	+1119.4	2528	9.2	125410.4	+1108.7	2618	9.5	135402.8	+1143.6	2708	9.0	143451.7	+1132.3
2439	8.0	120549.2	+1138.8	2529	3.0	125457.9	+1144.1	2619	9.3	135411.4	+1135.5	2709	8.0	143518.6	+1142.8
2440	6.4	120603.5	+1104.0	2530	9.0	125541.5	+1113.4	2620	7.4	135517.5	+1101.2	2710	9.4	143559.9	+1101.9
2441	9.5	120707.2	+1155.4	2531	9.4	125740.4	+1152.6	2621	8.8	135541.1	+1104.5	2711	8.7	143627.7	+1111.8
2442	8.3	120819.1	+1140.1	2532	8.8	125744.0	+1107.4	2622	9.5	135550.6	+1147.7	2712	9.3	143643.1	+1158.0

*11 2730 14h42m

*11 3089 16h53m

2730	7.4	144248.4	+1105.9	2820	8.2	152655.2	+1155.2	2910	8.5	155905.1	+1104.8	3000	9.4	162340.2	+1127.3
2731	9.2	144251.1	+1126.1	2821	3.3	152753.0	+1101.7	2911	9.5	155906.3	+1120.4	3001	9.5	162422.6	+1106.7
2732	9.4	144259.2	+1153.3	2822	9.5	152809.3	+1111.5	2912	9.5	155913.4	+1152.1	3002	9.3	162434.9	+1156.3
2733	9.5	144354.0	+1113.0	2823	9.2	152817.0	+1126.0	2913	9.5	155924.6	+1130.4	3003	8.5	162456.6	+1116.0
2734	9.5	144531.3	+1102.9	2824	9.5	152831.0	+1131.1	2914	9.3	155959.9	+1127.2	3004	8.5	162459.1	+1145.2
2735	9.5	144549.5	+1131.6	2825	9.3	152847.5	+1146.3	2915	8.7	160026.5	+1103.7	3005	9.4	162504.5	+1130.7
2736	8.4	144552.2	+1151.2	2826	6.3	152900.7	+1144.5	2916	9.1	160028.6	+1137.2	3006	9.5	162509.1	+1120.8
2737	9.3	144617.6	+1104.9	2827	9.5	152901.1	+1103.3	2917	9.5	160053.0	+1106.4	3007	8.5	162540.6	+1112.7
2738	9.5	144633.7	+1108.4	2828	9.0	152907.5	+1142.9	2918	9.3	160112.8	+1103.7	3008	5.2	162549.7	+1148.8
2739	9.0	144653.0	+1121.1	2829	9.5	152944.5	+1127.6	2919	8.8	160113.3	+1108.9	3009	9.5	162634.8	+1125.3
2740	9.5	144712.1	+1158.0	2830	8.8	152946.8	+1103.6	2920	8.7	160124.8	+1100.3	3010	9.5	162650.3	+1110.3
2741	9.4	144725.7	+1123.8	2831	9.0	152950.7	+1139.1	2921	9.4	160129.3	+1119.6	3011	9.5	162745.9	+1114.9
2742	8.2	144744.3	+1107.4	2832	9.5	153033.0	+1128.7	2922	9.5	160230.9	+1128.0	3012	9.4	162800.1	+1141.8
2743	8.7	144815.9	+1125.4	2833	7.5	153040.0	+1137.2	2923	9.5	160235.9	+1111.4	3013	8.8	162908.0	+1104.2
2744	8.3	144838.9	+1116.7	2834	7.4	153154.2	+1105.5	2924	8.8	160235.9	+1142.7	3014	9.5	162939.1	+1140.1
2745	9.1	145009.4	+1103.2	2835	9.5	153159.9	+1108.6	2925	7.7	160237.6	+1157.1	3015	8.0	162954.5	+1101.4
2746	9.5	145029.3	+1102.4	2836	9.3	153212.0	+1102.5	2926	8.5	160253.8	+1114.4	3016	9.3	163038.0	+1137.3
2747	9.5	145037.0	+1123.6	2837	9.0	153227.4	+1112.4	2927	8.9	160259.6	+1138.3	3017	9.3	163104.0	+1151.2
2748	9.5	145038.7	+1113.7	2838	9.5	153235.0	+1158.7	2928	8.7	160304.5	+1101.0	3018	9.5	163241.8	+1150.7
2749	9.5	145155.0	+1158.7	2839	9.3	153314.5	+1146.8	2929	8.9	160314.3	+1137.5	3019	9.0	163257.4	+1156.4
2750	9.5	145236.7	+1101.2	2840	9.5	153337.7	+1143.6	2930	9.5	160441.0	+1135.5	3020	9.1	163334.8	+1145.9
2751	9.3	145320.0	+1136.3	2841	9.4	153338.9	+1108.2	2931	9.4	160442.0	+1147.6	3021	9.4	163351.6	+1102.2
2752	9.5	145320.2	+1114.6	2842	9.5	153431.6	+1129.7	2932	9.1	160443.9	+1103.0	3022	8.5	163411.7	+1102.1
2753	8.9	145339.0	+1147.5	2843	9.3	153443.6	+1157.2	2933	9.5	160444.4	+1153.3	3023	9.1	163456.1	+1147.3
2754	9.4	145342.6	+1132.7	2844	8.0	153504.3	+1101.9	2934	9.5	160450.7	+1118.0	3024	9.3	163505.6	+1156.5
2755	9.5	145354.2	+1152.0	2845	9.1	153504.5	+1132.0	2935	9.5	160528.6	+1156.3	3025	9.0	163524.6	+1119.5
2756	8.7	145500.7	+1122.4	2846	8.2	153513.3	+1127.2	2936	9.5	160532.7	+1149.1	3026	9.2	163540.4	+1157.8
2757	9.5	145506.3	+1155.9	2847	9.0	153534.6	+1103.8	2937	9.4	160611.7	+1159.4	3027	9.5	163607.2	+1116.9
2758	8.3	145508.8	+1143.6	2848	8.5	153607.3	+1127.9	2938	9.4	160626.0	+1120.0	3028	8.0	163608.1	+1113.0
2759	8.4	145527.6	+1154.5	2849	9.5	153610.3	+1105.2	2939	8.2	160636.3	+1148.4	3029	9.5	163634.2	+1136.4
2760	8.7	145554.2	+1114.7	2850	9.5	153702.3	+1146.9	2940	9.2	160708.7	+1116.9	3030	9.0	163643.9	+1100.5
2761	9.5	145618.0	+1131.9	2851	9.5	153708.0	+1116.6	2941	8.5	160710.3	+1148.1	3031	8.6	163655.1	+1145.5
2762	8.0	145705.7	+1117.8	2852	8.5	153736.3	+1116.7	2942	9.4	160719.3	+1140.9	3032	9.5	163754.1	+1155.9
2763	9.0	145709.8	+1131.9	2853	7.5	153740.3	+1144.8	2943	9.0	160723.0	+1113.8	3033	9.3	163812.4	+1145.2
2764	9.5	145802.0	+1130.7	2854	7.6	153744.8	+1153.0	2944	9.4	160748.8	+1140.6	3034	9.5	163840.6	+1134.2
2765	9.5	145806.7	+1144.7	2855	9.3	153752.7	+1105.9	2945	9.5	160758.3	+1134.5	3035	9.0	163843.7	+1118.0
2766	9.5	145822.1	+1128.6	2856	9.3	153809.4	+1155.8	2946	9.5	160759.6	+1140.0	3036	9.2	163920.6	+1112.3
2767	9.3	145832.7	+1131.9	2857	9.5	153823.4	+1100.6	2947	6.9	160811.3	+1152.5	3037	9.5	163922.5	+1157.2
2768	9.5	145840.1	+1102.0	2858	9.4	153839.3	+1112.5	2948	8.8	160832.4	+1105.5	3038	9.0	163922.8	+1144.5
2769	9.5	145905.2	+1157.6	2859	9.4	153839.6	+1120.3	2949	9.5	160834.8	+1143.0	3039	9.0	163935.0	+1152.3
2770	9.0	145911.5	+1149.1	2860	9.5	153856.3	+1125.9	2950	9.5	160908.7	+1128.8	3040	9.0	163940.1	+1118.4
2771	8.2	145925.0	+1119.5	2861	9.5	153934.8	+1112.7	2951	7.5	160910.7	+1148.3	3041	9.5	164020.2	+1157.2
2772	8.3	145944.8	+1138.1	2862	9.3	153941.9	+1140.2	2952	9.5	160959.1	+1155.7	3042	9.5	164047.3	+1110.9
2773	9.5	150005.7	+1102.0	2863	9.0	153947.2	+1147.0	2953	9.3	161003.1	+1122.9	3043	9.5	164100.6	+1137.3
2774	7.5	150023.5	+1.05.6	2864	7.5	154012.0	+1158.8	2954	9.2	161032.4	+1104.8	3044	9.5	164113.8	+1159.9
2775	8.2	150112.1	+1128.9	2865	9.5	154032.3	+1123.5	2955	9.5	161033.9	+1131.2	3045	7.3	164118.1	+1124.9
2776	9.5	150225.4	+1105.7	2866	9.5	154054.7	+1159.1	2956	9.4	161037.5	+1122.0	3046	9.5	164128.6	+1116.0
2777	9.3	150413.1	+1133.7	2867	9.5	154055.2	+1103.3	2957	9.3	161116.1	+1116.0	3047	9.5	164139.0	+1134.8
2778	9.5	150415.9	+1152.5	2868	9.1	154125.1	+1149.4	2958	9.0	161131.8	+1101.6	3048	9.0	164148.3	+1126.3
2779	9.5	150538.4	+1104.6	2869	9.0	154253.3	+1114.5	2959	9.3	161148.9	+1155.2	3049	9.3	164249.6	+1119.5
2780	6.7	150551.1	+1114.0	2870	9.0	154321.6	+1132.7	2960	9.5	161204.3	+1154.9	3050	9.4	164308.2	+1154.4
2781	9.5	150622.2	+1155.0	2871	8.9	154338.5	+1155.1	2961	8.9	161250.8	+1137.3	3051	9.3	164316.3	+1128.6
2782	9.5	150633.4	+1137.9	2872	9.3	154444.6	+1142.0	2962	9.2	161253.4	+1115.7	3052	8.1	164321.1	+1120.8
2783	8.7	150710.4	+1116.6	2873	9.3	154453.8	+1128.7	2963	9.0	161329.6	+1127.4	3053	9.5	164354.5	+1107.5
2784	8.5	150729.0	+1120.7	2874	9.0	154517.0	+1119.6	2964	9.5	161374.7	+1105.7	3054	9.5	164415.1	+1112.5
2785	9.3	150742.4	+1159.1	2875	9.5	154537.0	+1152.7	2965	9.5	161353.6	+1125.0	3055	9.5	164420.0	+1125.6
2786	8.5	150914.9	+1121.7	2876	9.5	154604.6	+1148.9	2966	9.4	161426.2	+1104.1	3056	9.5	164437.6	+1115.7
2787	9.5	151023.9	+1140.0	2877	9.3	154608.2	+1124.5	2967	9.5	161452.0	+1122.9	3057	9.5	164449.0	+1103.7
2788	9.1	151031.8	+1101.5	2878	8.7	154647.6	+1152.8	2968	8.9	161502.7	+1154.4	3058	9.5	164451.5	+1159.9
2789	9.5	151350.9	+1143.4	2879	9.5	154650.9	+1128.3	2969	8.7	161504.6	+1111.9	3059	9.3	164502.1	+1141.4
2790	9.2	151354.4	+1128.2	2880	9.5	154655.3	+1105.3	2970	9.5	161516.6	+1103.2	3060	9.1	164522.9	+1157.4
2791	9.5	151426.4	+1106.6	2881	9.1	154749.6	+1101.6	2971	9.3	161517.5	+1119.7	3061	7.0	164532.1	+1131.1
2792	9.5	151429.9	+1119.3	2882	9.3	154756.6	+1143.5	2972	8.7	161520.7	+1140.4	3062	9.1	164602.5	+1109.4
2793	9.5	151439.4	+1103.5	2883	7.8	154757.8	+1157.2	2973	9.3	161547.1	+1115.3	3063	8.0	164609.6	+1132.8
2794	8.4	151459.1	+1102.6	2884	9.5	154833.0	+1118.0	2974	9.1	161614.7	+1141.1	3064	9.2	164616.0	+1109.1
2795	9.5	151534.0	+1154.5	2885	9.5	154943.5	+1142.7	2975	9.5	161624.1	+1134.6	3065	7.1	164623.7	+1107.2
2796	9.0	151604.2	+1152.8	2886	9.4										

+11 3090 16h53m

3090	8.5	165347.8	+1120.8	3180	9.4	172044.8	+1110.8	3270	9.5	174410.7	+1123.4	3360	9.5	180315.2	+1122.9
3091	7.5	165419.5	+1133.4	3181	9.1	172046.8	+1158.3	3271	9.5	174418.3	+1108.8	3361	9.4	180318.5	+1105.3
3092	8.0	165439.0	+1122.8	3182	9.5	172048.3	+1137.9	3272	9.4	174425.8	+1113.5	3362	9.0	180335.1	+1157.7
3093	9.5	165515.3	+1144.2	3183	8.6	172104.0	+1130.9	3273	9.4	174429.0	+1109.1	3363	9.4	180344.8	+1151.2
3094	9.5	165523.4	+1106.1	3184	7.0	172105.9	+1130.8	3274	9.4	174436.8	+1112.2	3364	9.3	180348.7	+1155.3
3095	9.0	165633.5	+1150.7	3185	9.4	172115.1	+1136.8	3275	9.3	174504.0	+1102.3	3365	9.5	180405.5	+1132.0
3096	9.3	165658.7	+1154.7	3186	9.5	172124.5	+1101.5	3276	9.5	174504.8	+1121.7	3366	9.4	180410.6	+1113.2
3097	9.2	165726.0	+1133.8	3187	7.5	172225.2	+1101.4	3277	9.5	174506.9	+1112.4	3367	9.5	180430.6	+1136.6
3098	9.5	165737.6	+1114.6	3188	8.5	172241.3	+1149.5	3278	9.2	174526.7	+1124.8	3368	8.2	180438.4	+1130.0
3099	8.7	165821.3	+1131.0	3189	9.0	172253.1	+1147.5	3279	8.8	174622.2	+1156.5	3369	9.4	180451.3	+1135.9
3100	9.3	165832.0	+1157.6	3190	9.2	172256.5	+1148.6	3280	9.4	174643.4	+1131.6	3370	9.2	180452.4	+1150.8
3101	8.0	165844.1	+1111.5	3191	9.5	172409.1	+1116.6	3281	9.5	174649.7	+1150.2	3371	9.5	180458.0	+1102.4
3102	9.4	165854.0	+1105.7	3192	9.5	172445.6	+1123.6	3282	9.5	174713.1	+1137.3	3372	9.2	180521.2	+1121.1
3103	9.3	165857.8	+1156.3	3193	9.4	172451.9	+1129.5	3283	6.5	174727.7	+1111.0	3373	8.9	180526.3	+1102.9
3104	9.5	165905.0	+1100.6	3194	8.7	172453.4	+1119.1	3284	9.0	174741.1	+1101.5	3374	8.3	180539.2	+1113.3
3105	9.3	165911.8	+1151.2	3195	9.0	172459.5	+1108.8	3285	9.5	174743.5	+1113.7	3375	9.5	180605.7	+1119.3
3106	9.5	165933.1	+1132.4	3196	9.4	172511.6	+1122.9	3286	9.0	174746.0	+1108.4	3376	9.4	180609.5	+1100.7
3107	9.4	165933.9	+1104.8	3197	9.2	172535.5	+1128.7	3287	9.5	174819.5	+1104.5	3377	7.7	180610.1	+1125.2
3108	9.4	165943.8	+1157.6	3198	9.5	172539.5	+1124.4	3288	9.0	174820.9	+1124.1	3378	9.5	180640.2	+1103.4
3109	9.4	165951.2	+1140.8	3199	9.5	172603.3	+1151.0	3289	9.5	174839.2	+1111.5	3379	6.9	180640.7	+1151.2
3110	9.5	165957.5	+1135.3	3200	9.5	172616.1	+1119.7	3290	8.5	174841.2	+1140.3	3380	9.7	180709.7	+1157.7
3111	9.5	170009.9	+1157.7	3201	9.3	172759.4	+1119.8	3291	8.5	174900.2	+1150.0	3381	9.5	180716.9	+1106.5
3112	9.5	170152.5	+1119.4	3202	9.3	172820.8	+1137.7	3292	8.8	174929.7	+1136.1	3382	9.0	180719.0	+1121.1
3113	8.7	170237.5	+1152.4	3203	9.5	172845.6	+1153.7	3293	9.3	174939.2	+1117.8	3383	9.0	180744.4	+1100.7
3114	9.4	170305.8	+1120.7	3204	7.8	172845.8	+1127.9	3294	8.8	174945.2	+1134.4	3384	9.5	180748.6	+1155.3
3115	8.8	170321.6	+1155.1	3205	7.7	172917.4	+1125.2	3295	8.3	174956.5	+1154.2	3385	9.5	180756.0	+1129.0
3116	9.1	170326.6	+1148.5	3206	9.4	172921.5	+1107.3	3296	9.4	175013.9	+1112.8	3386	9.4	180759.4	+1158.0
3117	9.4	170329.8	+1108.0	3207	9.5	172922.7	+1140.2	3297	9.5	175031.1	+1145.8	3387	9.0	180806.2	+1158.2
3118	9.5	170351.1	+1116.0	3208	9.2	172957.0	+1146.4	3298	9.5	175037.6	+1134.6	3388	9.3	180815.4	+1159.2
3119	9.3	170354.0	+1123.2	3209	9.2	172958.9	+1156.4	3299	6.5	175040.0	+1104.8	3389	9.0	180817.9	+1157.7
3120	9.3	170358.9	+1146.3	3210	8.2	173017.2	+1145.7	3300	8.9	175046.8	+1133.0	3390	8.6	180836.1	+1109.6
3121	9.5	170410.3	+1150.6	3211	8.9	173033.3	+1102.4	3301	9.4	175104.5	+1146.9	3391	8.5	180848.0	+1148.4
3122	8.6	170413.0	+1147.4	3212	8.2	173035.7	+1123.7	3302	9.4	175131.0	+1124.3	3392	8.6	180853.5	+1103.2
3123	8.7	170417.9	+1106.3	3213	8.8	173056.7	+1105.2	3303	9.5	175140.8	+1153.5	3393	9.5	180957.4	+1143.7
3124	9.4	170418.0	+1152.1	3214	8.1	173104.7	+1147.4	3304	9.5	175157.5	+1109.3	3394	9.1	180966.9	+1124.5
3125	9.3	170427.4	+1150.1	3215	8.1	173136.0	+1134.4	3305	9.5	175207.1	+1102.1	3395	8.2	180914.4	+1144.9
3126	9.4	170433.1	+1152.9	3216	9.3	173147.6	+1157.1	3306	9.2	175209.8	+1103.3	3396	9.5	180923.0	+1124.2
3127	9.1	170443.5	+1119.7	3217	8.3	173149.7	+1117.9	3307	8.5	175235.5	+1148.0	3397	9.5	180925.0	+1138.6
3128	9.4	170501.0	+1120.3	3218	9.5	173153.2	+1129.9	3308	9.2	175252.5	+1150.8	3398	9.5	180928.1	+1138.6
3129	9.1	170504.6	+1109.7	3219	9.2	175206.3	+1137.5	3309	8.8	175310.7	+1102.9	3399	9.5	180929.0	+1122.1
3130	9.3	170527.5	+1133.1	3220	9.4	173214.2	+1148.2	3310	9.5	175313.0	+1147.7	3400	9.5	180930.5	+1120.1
3131	9.5	170534.1	+121.4	3221	9.4	173234.7	+1112.0	3311	8.8	175351.7	+1154.1	3401	8.7	180937.4	+1156.4
3132	8.0	170550.0	+1146.5	3222	9.1	173246.7	+1154.4	3312	9.5	175404.9	+1139.1	3402	9.5	180952.0	+1115.4
3133	9.5	170604.1	+1138.6	3223	9.5	173305.1	+1154.2	3313	8.8	175414.7	+1104.7	3403	9.4	180954.3	+1111.0
3134	9.2	170605.6	+1112.9	3224	9.5	173324.2	+1126.9	3314	9.1	175432.7	+1122.3	3404	9.5	181000.5	+1151.5
3135	9.0	170622.5	+1116.3	3225	8.9	173328.8	+1133.4	3315	7.5	175446.6	+1117.8	3405	8.6	181017.4	+1126.6
3136	9.5	170641.6	+115.3	3226	9.5	173349.6	+1139.2	3316	9.4	175451.6	+1131.8	3406	9.5	181021.2	+1119.6
3137	8.6	170702.5	+124.6	3227	9.3	173400.9	+1106.8	3317	9.0	175514.5	+1101.8	3407	8.7	181021.4	+1154.8
3138	9.5	170716.1	+115.4	3228	9.0	173404.7	+1104.9	3318	9.3	175522.7	+1105.9	3408	9.5	181025.7	+1113.0
3139	9.2	170750.8	+1113.9	3229	9.4	173407.6	+1145.0	3319	9.4	175528.5	+1100.0	3409	9.5	181026.8	+1107.7
3140	9.5	170752.6	+1148.2	3230	8.7	173414.5	+1138.8	3320	9.0	175605.9	+1131.9	3410	9.5	181029.1	+1135.8
3141	9.4	170755.5	+1152.0	3231	8.6	173430.7	+1118.3	3321	9.5	175609.8	+1103.1	3411	9.3	181030.3	+1148.8
3142	8.6	170802.7	+1102.3	3232	9.4	173434.4	+1151.7	3322	9.5	175614.0	+1129.8	3412	9.5	181031.2	+1140.0
3143	9.5	170815.5	+1111.0	3233	9.4	173445.7	+1155.1	3323	9.4	175625.9	+1153.8	3413	9.5	181037.4	+1137.6
3144	9.5	170816.1	+1117.6	3234	9.2	173450.0	+1155.5	3324	9.5	175629.2	+1150.4	3414	9.5	181048.2	+1149.8
3145	9.5	170819.1	+1154.0	3235	9.2	173504.7	+1156.6	3325	9.5	175652.4	+1138.1	3415	7.1	181107.3	+1149.7
3146	8.2	170841.0	+1102.0	3236	9.5	173524.2	+1145.7	3326	8.5	175722.5	+1108.2	3416	9.1	181121.5	+1151.1
3147	9.3	170849.7	+1111.8	3237	9.5	173529.1	+1111.7	3327	9.4	175734.2	+1156.4	3417	7.4	181125.4	+1120.6
3148	8.7	170910.1	+1103.5	3238	9.5	173607.2	+1121.0	3328	9.3	175734.4	+1140.8	3418	9.5	181138.2	+1120.5
3149	9.4	170913.6	+1114.4	3239	9.5	173629.9	+1126.4	3329	9.4	175738.2	+1131.8	3419	9.5	181138.4	+1125.4
3150	9.5	170939.0	+1127.6	3240	9.5	173634.7	+1153.0	3330	8.8	175753.4	+1126.6	3420	9.4	181142.8	+1114.1
3151	8.7	170940.5	+1117.0	3241	8.8	173656.7	+1144.4	3331	9.0	175754.5	+1139.2	3421	9.5	181205.5	+1149.2
3152	8.7	171026.4	+1136.2	3242	8.7	173709.4	+1139.2	3332	9.5	175804.4	+1145.0	3422	9.0	181208.0	+1153.7
3153	9.1	171033.1	+1122.8	3243	9.5	173710.2	+1125.7	3333	9.3	175807.5	+1156.2	3423	9.0	181214.1	+1136.0
3154	9.0	171120.0	+1133.8	3244	9.0	173718.7	+1153.0	3334	9.5	175827.7	+1115.9	3424	9.5	181214.2	+1146.0
3155	9.5	171146.5	+1130.0	3245	9.5	173734.5	+1159.6	3335	9.4	175836.8	+1156.8	3425	9.5	181234.2	+1128.4
3156	5.0	171148.4	+1102.1	3246	9.5	173737.2	+1135.1	3336	9.4	175839.6	+1100.4	3426	9.0	181239.7	+1106.6
3157	7.3	171229.1	+1119.7	3247	9.5	173801.8	+1102.4	3337	9.3	175847.5	+1119.6	3427	7.3	181249.5	+1148.8
3158	9.5	171247.8	+1154.9	3248	9.0	173805.2	+1139.9	3338	9.4	175912.4	+1154.2	3428	9.5	181253.0	+1158.2
3159	9.5	171417.6	+1151.7	3249	9.5	173813.7	+1146.8	3339	9.4	175915.9	+1152.4	3429	9.4	181255.1	+1114.5
3160	9.2	171419.8	+1157.0	3250	9.5	173828.7	+1154.3	3340	9.5	175949.2	+1107.0	3430	9.5	181257.5	+1117.9
3161	8.2	171432.1	+1111.5	3251	7.2	173839.4	+1113.4	3341	8.8	175957.3	+1135.7	3431	9.5	181259.4	+1154.9
3162	9.5	171439.6	+1108.4	3252	9.4	173849.4	+1104.8	3342	8.8						

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3450	9.4	181726.0	+1117.4
3451	9.5	181732.3	+1120.8
3452	9.5	181756.4	+1158.4
3453	9.2	181800.7	+1147.6
3454	9.5	181815.4	+1139.3
3455	9.3	181824.5	+1101.4
3456	8.7	181830.4	+1101.2
3457	9.2	181849.3	+1145.6
3458	9.5	181852.8	+1152.7
3459	9.4	181901.6	+1157.4
3460	8.9	181902.8	+1107.4
3461	9.1	181918.1	+1101.1
3462	8.9	181944.8	+1135.6
3463	9.5	181951.0	+1129.0
3464	9.5	182006.1	+1123.3
3465	8.5	182006.9	+1126.4
3466	8.4	182022.1	+1107.2
3467	9.4	182029.1	+1130.0
3468	9.5	182051.5	+1153.6
3469	9.5	182056.0	+1102.4
3470	9.5	182112.5	+1150.6
3471	9.3	182122.2	+1137.3
3472	9.5	182125.5	+1153.6
3473	8.7	182126.6	+1107.2
3474	8.7	182135.0	+1108.6
3475	9.2	182140.0	+1147.7
3476	9.3	182145.7	+1116.2
3477	9.5	182153.8	+1153.8
3478	7.7	182216.3	+1133.5
3479	8.1	182225.8	+1136.1
3480	9.5	182245.9	+1109.1
3481	8.0	182247.0	+1149.4
3482	9.3	182253.8	+1154.0
3483	9.5	182303.5	+1155.9
3484	9.5	182305.3	+1157.7
3485	9.5	182322.0	+1116.5
3486	9.5	182326.5	+1115.8
3487	8.1	182328.7	+1106.4
3488	9.5	182329.4	+1134.3
3489	9.1	182410.5	+1118.7
3490	9.5	182410.5	+1150.3
3491	9.5	182411.7	+1133.6
3492	9.5	182412.4	+1145.1
3493	9.0	182421.5	+1118.7
3494	8.8	182449.7	+1156.6
3495	9.5	182453.8	+1137.5
3496	9.5	182500.2	+1120.7
3497	9.4	182501.0	+1106.2
3498	9.5	182528.4	+1107.6
3499	9.5	182533.3	+1119.9
3500	9.5	182536.2	+1153.9
3501	9.5	182540.8	+1146.5
3502	8.8	182600.2	+1131.8
3503	9.5	182600.8	+1122.1
3504	8.8	182601.7	+1141.8
3505	9.4	182623.5	+1135.9
3506	9.5	182642.3	+1150.7
3507	9.5	182645.0	+1129.3
3508	9.2	182645.1	+1126.2
3509	9.5	182721.5	+1138.3
3510	8.6	182721.8	+1116.5
3511	9.5	182730.5	+1149.5
3512	9.4	182806.5	+1122.0
3513	8.8	182810.3	+1120.3
3514	9.4	182823.2	+1113.5
3515	9.5	182823.8	+1108.3
3516	9.5	182832.0	+1147.5
3517	9.4	182835.3	+1116.0
3518	7.5	182911.0	+1136.0
3519	8.3	182915.9	+1110.1
3520	9.5	182919.9	+1100.3
3521	8.0	182921.0	+1144.4
3522	9.3	182922.9	+1152.4
3523	7.7	182925.2	+1107.4
3524	9.5	182942.7	+1127.3
3525	9.5	182947.8	+1155.0
3526	8.3	182950.6	+1142.0
3527	9.5	183007.1	+1142.5
3528	8.5	183019.0	+1133.2
3529	9.5	183073.9	+1151.1
3530	6.3	183026.2	+1118.7
3531	6.5	183033.2	+1114.1
3532	8.6	183042.1	+1132.7
3533	9.5	183100.3	+1128.3
3534	8.7	183103.7	+1119.6
3535	9.2	183105.1	+1143.7
3536	9.1	183131.1	+1119.1
3537	9.5	183149.9	+1147.0
3538	9.5	183152.3	+1129.6
3539	8.7	183155.9	+1124.5
3540	9.5	183157.3	+1154.0
3541	9.5	183201.5	+1140.7
3542	9.5	183209.7	+1113.1
3543	9.1	183226.8	+1102.2
3544	9.5	183244.3	+1122.9
3545	8.9	183247.2	+1115.4
3546	9.0	183248.3	+1138.7
3547	8.7	183250.3	+1126.5
3548	8.0	183252.1	+1144.3
3549	9.5	183301.3	+1107.6
3550	9.5	183309.3	+1121.0
3551	9.5	183309.5	+1104.8
3552	9.5	183331.7	+1116.4
3553	6.7	183333.6	+1156.8
3554	9.3	183336.8	+1140.8
3555	9.5	183347.2	+1137.0
3556	9.4	183348.1	+1129.0
3557	9.5	183352.9	+1132.9
3558	9.4	183426.2	+1152.8
3559	9.4	183434.5	+1138.2
3560	9.5	183444.2	+1139.1
3561	9.5	183501.6	+1100.9
3562	9.5	183513.3	+1126.2
3563	9.5	183513.4	+1156.3
3564	8.0	183519.4	+1137.7
3565	9.2	183519.7	+1151.3
3566	9.5	183534.6	+1121.8
3567	9.2	183534.9	+1104.5
3568	9.5	183537.4	+1158.2
3569	9.0	183538.0	+1151.1
3570	9.5	183553.4	+1143.6
3571	8.9	183554.1	+1142.9
3572	9.5	183609.0	+1118.5
3573	9.5	183612.4	+1105.4
3574	9.5	183647.8	+1103.3
3575	8.7	183648.5	+1151.5
3576	9.5	183655.5	+1128.3
3577	9.1	183659.6	+1110.3
3578	9.4	183701.6	+1131.3
3579	9.3	183707.0	+1100.3
3580	9.5	183709.1	+1125.3
3581	8.4	183720.8	+1104.1
3582	9.0	183722.1	+1136.3
3583	8.2	183724.8	+1141.7
3584	8.8	183745.9	+1108.2
3585	9.5	183755.0	+1107.3
3586	9.4	183812.7	+1147.6
3587	9.5	183824.0	+1118.0
3588	9.5	183832.9	+1142.4
3589	8.1	183840.4	+1127.1
3590	9.3	183843.2	+1143.9
3591	9.4	183850.1	+1102.8
3592	6.7	183857.0	+1120.8
3593	9.4	183914.1	+1127.2
3594	9.2	183920.5	+1142.0
3595	9.5	183924.2	+1127.9
3596	9.5	183926.5	+1105.7
3597	9.5	183927.1	+1100.8
3598	8.9	183930.0	+1104.1
3599	8.5	183950.9	+1158.3
3600	9.5	183953.9	+1126.5
3601	9.3	184023.4	+1150.3
3602	9.5	184035.9	+1154.0
3603	9.5	184037.7	+1112.9
3604	8.7	184040.7	+1101.7
3605	8.9	184044.6	+1144.6
3606	9.1	184044.8	+1139.9
3607	9.5	184100.3	+1154.0
3608	7.5	184105.6	+1100.6
3609	9.2	184117.5	+1119.4
3610	9.5	184117.6	+1131.5
3611	9.2	184132.9	+1133.8
3612	9.4	184201.5	+1157.2
3613	9.0	184204.8	+1125.4
3614	9.4	184212.3	+1142.7
3615	9.4	184213.8	+1107.6
3616	8.7	184216.2	+1147.1
3617	8.6	184222.2	+1110.4
3618	9.5	184235.0	+1106.2
3619	8.8	184238.4	+1115.2
3620	8.8	184244.3	+1159.1
3621	8.0	184249.7	+1129.9
3622	9.5	184250.4	+1134.4
3623	9.5	184252.5	+1110.6
3624	7.9	184300.7	+1100.5
3625	9.5	184301.1	+1125.9
3626	8.3	184301.8	+1139.3
3627	9.3	184308.2	+1101.2
3628	9.5	184312.9	+1155.9
3629	9.5	184314.1	+1145.8
3630	7.3	184328.3	+1121.3
3631	9.5	184340.5	+1113.0
3632	9.5	184343.5	+1119.2
3633	9.5	184401.0	+1146.2
3634	9.3	184434.1	+1142.5
3635	9.4	184436.0	+1120.1
3636	9.2	184449.4	+1103.7
3637	9.1	184451.9	+1112.2
3638	9.4	184506.5	+1113.6
3639	9.1	184517.1	+1120.9
3640	9.5	184519.0	+1105.2
3641	9.5	184519.9	+1139.4
3642	8.5	184520.6	+1137.1
3643	9.4	184522.1	+1116.6
3644	9.4	184535.5	+1122.1
3645	9.1	184542.0	+1102.6
3646	9.5	184556.0	+1120.6
3647	9.2	184604.5	+1159.9
3648	9.1	184605.8	+1140.6
3649	9.5	184607.7	+1130.9
3650	9.5	184609.5	+1112.2
3651	8.9	184613.9	+1126.7
3652	8.9	184700.7	+1132.6
3653	9.0	184708.9	+1117.8
3654	9.2	184732.8	+1107.2
3655	9.5	184742.9	+1118.4
3656	8.8	184743.4	+1117.5
3657	9.3	184745.2	+1117.8
3658	8.4	184745.4	+1153.0
3659	8.9	184746.5	+1134.5
3660	9.5	184754.9	+1152.0
3661	9.5	184755.9	+1142.7
3662	9.3	184812.5	+1119.5
3663	9.5	184827.6	+1132.8
3664	9.5	184831.9	+1126.8
3665	9.3	184838.0	+1106.7
3666	9.5	184840.5	+1105.5
3667	9.5	184841.2	+1152.9
3668	9.4	184847.0	+1129.1
3669	9.5	184856.2	+1141.6
3670	9.5	184906.1	+1144.9
3671	9.5	184912.1	+1109.6
3672	9.5	184926.9	+1124.4
3673	9.5	184929.3	+1134.7
3674	9.5	184938.2	+1135.6
3675	9.5	185013.1	+1125.7
3676	9.5	185021.8	+1126.0
3677	9.5	185028.9	+1148.6
3678	9.5	185046.0	+1107.3
3679	9.5	185053.3	+1128.0
3680	9.5	185117.7	+1129.7
3681	7.7	185122.2	+1149.7
3682	9.5	185147.0	+1122.1
3683	9.5	185241.6	+1157.4
3684	9.5	185242.6	+1124.8
3685	9.5	185249.3	+1136.8
3686	9.5	185255.0	+1146.6
3687	9.0	185255.4	+1112.8
3688	8.6	185256.4	+1151.9
3689	8.0	185303.1	+1114.7
3690	9.5	185328.7	+1136.4
3691	9.0	185351.5	+1132.8
3692	9.5	185405.9	+1125.5
3693	9.5	185406.9	+1142.1
3694	9.4	185411.6	+1142.8
3695	9.5	185418.0	+1157.2
3696	9.5	185427.6	+1123.0
3697	9.0	185433.8	+1124.4
3698	9.2	185435.5	+1137.0
3699	8.2	185435.8	+1145.1
3700	9.5	185440.3	+1135.3
3701	9.5	185441.2	+1128.3
3702	9.4	185442.8	+1131.8
3703	8.9	185445.8	+1123.6
3704	7.7	185500.1	+1115.1
3705	9.4	185513.7	+1148.9
3706	9.5	185515.8	+1100.7
3707	9.5	185547.2	+1102.6
3708	9.5	185549.0	+1133.4
3709	9.5	185552.1	+1155.0
3710	9.5	185629.7	+1112.7
3711	9.2	185640.1	+1134.7
3712	9.5	185654.8	+1120.8
3713	7.2	185711.8	+1105.5
3714	9.5	185724.8	+1125.2
3715	9.4	185725.9	+1159.8
3716	9.4	185727.0	+1116.4
3717	9.5	185731.1	+1107.9
3718	9.5	185746.4	+1109.9
3719	9.3	185750.0	+1159.8
3720	9.3	185757.7	+1107.3
3721	9.3	185758.0	+1122.1
3722	9.5	185807.0	+1152.5
3723	9.5	1	

+11 3810 19h14m

3810	9.5	191447.8	+1145.4	3900	9.5	192826.2	+1124.1	3989	9.5	194051.5	+1145.9	4078	8.8	195313.7	+1125.4
3811	8.5	191457.7	+1148.3	3901	8.0	192834.6	+1137.4	3990	9.5	194115.0	+1121.0	4079	8.6	195326.6	+1134.1
3812	9.5	191502.8	+1120.0	3902	8.7	192837.1	+1107.5	3990a	9.6	194123.5	+1115.2	4080	9.2	195334.8	+1154.6
3813	9.2	191530.9	+1113.4	3903	9.5	192838.0	+1129.3	3991	9.5	194126.4	+1150.7	4081	8.9	195336.9	+1140.1
3814	9.5	191531.2	+1124.5	3904	9.4	192906.8	+1126.8	3992	9.5	194129.9	+1137.1	4082	9.0	195339.7	+1127.6
3815	9.4	191536.5	+1157.5	3905	9.5	192917.5	+1157.7	3993	9.5	194134.2	+1156.9	4083	9.4	195351.4	+1100.2
3816	9.3	191539.4	+1114.4	3906	7.0	192923.9	+1150.7	3994	5.8	194151.9	+1127.7	4084	9.5	195357.7	+1131.7
3817	9.0	191611.0	+1145.3	3907	9.4	192934.8	+1105.3	3995	9.4	194201.2	+1152.4	4085	9.3	195359.5	+1144.4
3818	9.5	191625.9	+1142.3	3908	9.1	192936.6	+1142.9	3996	6.8	194203.0	+1119.5	4086	9.0	195404.3	+1119.8
3819	9.5	191635.2	+1149.7	3909	9.5	192938.4	+1132.1	3997	9.5	194207.0	+1152.9	4087	9.4	195408.8	+1108.6
3820	9.4	191647.2	+1121.7	3910	9.4	192946.3	+1119.6	3998	9.5	194208.2	+1104.6	4088	9.3	195409.8	+1117.0
3821	9.3	191650.9	+1133.8	3911	9.5	192946.4	+1108.3	3999	9.5	194224.9	+1117.1	4089	9.5	195416.3	+1146.0
3822	9.2	191656.8	+1104.9	3912	8.6	192948.5	+1159.8	4000	9.5	194225.6	+1144.0	4090	9.0	195417.7	+1135.1
3823	9.5	191700.3	+1156.9	3913	9.4	192949.8	+1111.0	4001	9.5	194244.4	+1140.7	4091	9.5	195424.2	+1159.3
3824	9.5	191702.4	+1107.7	3914	9.4	193012.0	+1108.0	4002	9.5	194301.5	+1114.2	4092	9.5	195438.7	+1109.0
3825	9.1	191711.2	+1150.4	3915	9.4	193021.1	+1107.3	4003	8.0	194315.7	+1175.1	4093	8.7	195439.3	+1148.9
3826	7.7	191714.9	+1109.5	3916	8.9	193030.8	+1128.9	4004	9.4	194318.2	+1121.5	4094	8.9	195439.5	+1132.2
3827	9.4	191726.4	+1115.2	3917	9.5	193046.7	+1110.4	4005	9.4	194322.8	+1117.2	4095	9.5	195444.2	+1142.3
3828	9.5	191732.4	+1137.7	3918	9.2	193050.2	+1104.0	4006	9.5	194343.0	+1125.3	4096	9.5	195451.2	+1143.2
3829	9.0	191748.1	+1144.5	3919	9.5	193102.1	+1117.8	4007	9.2	194346.8	+1106.1	4097	9.5	195457.7	+1106.8
3830	9.5	191756.8	+1119.6	3919a	30.0	193110.0	+1123.0	4008	9.4	194347.6	+1100.8	4098	8.8	195505.3	+1144.9
3831	9.5	191759.8	+1157.9	3920	9.2	193117.9	+1149.4	4009	9.2	194348.5	+1115.6	4099	9.5	195512.6	+1123.5
3832	9.0	191801.4	+1158.3	3921	9.4	193134.2	+1132.4	4010	9.4	194355.1	+1147.6	4100	9.1	195516.7	+1155.5
3833	5.5	191803.4	+1138.7	3922	9.2	193142.0	+1124.8	4011	9.5	194358.6	+1140.1	4101	9.5	195530.6	+1130.8
3834	8.7	191804.0	+1140.6	3923	9.2	193150.3	+1109.4	4012	9.4	194410.2	+1125.4	4102	9.4	195546.7	+1124.9
3835	8.9	191834.9	+1123.7	3924	9.4	193157.5	+1155.5	4013	8.9	194414.5	+1102.2	4103	9.5	195549.3	+1103.8
3836	9.5	191846.5	+1116.7	3925	9.2	193208.8	+1104.0	4014	9.5	194416.6	+1115.1	4104	6.8	195551.7	+1157.2
3837	9.5	191849.3	+1149.6	3926	9.5	193210.5	+1126.6	4015	9.5	194438.7	+1106.2	4105	9.5	195601.0	+1140.2
3838	9.5	191906.5	+1104.0	3927	9.5	193213.5	+1149.3	4016	9.5	194440.5	+1153.6	4106	8.6	195607.6	+1159.9
3839	9.5	191929.0	+1121.8	3928	9.3	193221.0	+1121.8	4017	9.5	194453.3	+1139.2	4107	9.5	195613.7	+1168.5
3840	7.5	191942.4	+1133.7	3929	9.3	193233.9	+1132.0	4018	8.2	194514.8	+1104.3	4108	9.2	195619.8	+1141.5
3841	9.4	191956.5	+1100.6	3930	9.2	193236.0	+1157.8	4019	6.5	194516.2	+1115.9	4109	9.5	195626.2	+1138.3
3842	7.2	192009.7	+1146.8	3931	9.0	193236.9	+1134.1	4020	9.3	194519.2	+1158.3	4110	8.5	195628.2	+1145.8
3843	8.9	192025.7	+1120.8	3932	9.2	193237.7	+1120.1	4021	9.3	194525.6	+1133.1	4111	8.8	195709.2	+1155.9
3844	9.5	192041.7	+1147.1	3933	9.3	193237.8	+1111.0	4022	9.4	194526.0	+1106.1	4112	9.5	195716.0	+1121.1
3845	9.5	192043.2	+1108.6	3934	9.3	193254.4	+1155.1	4023	8.6	194526.4	+1153.7	4113	9.4	195716.1	+1133.6
3846	9.4	192048.8	+1121.2	3935	8.9	193257.3	+1148.7	4024	9.0	194528.3	+1151.8	4114	8.0	195718.1	+1122.9
3847	9.4	192105.5	+1109.2	3936	9.3	193312.7	+1105.4	4025	8.5	194554.4	+1148.5	4115	9.5	195728.7	+1130.1
3848	8.8	192117.6	+1128.8	3937	8.8	193318.0	+1119.8	4026	9.2	194556.8	+1140.2	4116	9.5	195735.6	+1118.4
3849	8.8	192124.0	+1147.9	3938	9.1	193326.3	+1151.6	4027	8.9	194614.5	+1102.8	4117	7.8	195744.2	+1113.9
3850	8.9	192137.1	+1146.9	3939	9.4	193355.2	+1106.3	4028	9.5	194614.9	+1146.5	4118	9.5	195758.4	+1135.7
3851	9.5	192146.4	+1134.4	3940	9.5	193358.4	+1149.0	4029	9.5	194619.8	+1142.3	4119	9.5	195771.9	+1153.5
3852	8.7	192147.7	+1114.4	3941	9.2	193401.7	+1102.0	4030	8.4	194628.0	+1127.4	4120	9.1	195818.6	+1142.4
3853	9.0	192227.3	+1119.5	3942	7.8	193404.6	+1135.1	4031	9.5	194628.2	+1137.4	4121	9.0	195823.2	+1121.1
3854	9.5	192231.9	+1134.1	3943	9.1	193411.5	+1154.0	4032	9.5	194637.6	+1136.0	4122	9.2	195827.1	+1159.9
3855	9.5	192232.7	+1155.9	3944	9.5	193415.9	+1159.2	4033	9.1	194640.6	+1142.3	4123	9.5	195840.0	+1125.0
3856	9.5	192237.9	+1133.8	3945	9.5	193420.5	+1108.4	4034	8.3	194647.7	+1106.5	4124	9.0	195847.0	+1157.6
3857	9.5	192243.6	+1121.8	3946	8.8	193423.9	+1144.2	4035	8.3	194650.5	+1113.6	4125	9.1	195850.8	+1157.5
3858	9.5	192245.0	+1130.1	3947	9.0	193428.2	+1137.4	4036	9.2	194657.6	+1106.3	4126	9.0	195850.8	+1145.5
3859	9.5	192249.1	+1117.6	3948	9.2	193433.1	+1129.2	4037	9.4	194708.1	+1156.6	4127	8.7	195855.2	+1111.2
3860	9.3	192301.5	+1154.9	3949	9.5	193436.8	+1112.4	4038	9.4	194733.1	+1135.3	4128	9.3	195900.4	+1123.7
3861	9.5	192319.5	+1138.3	3950	9.5	193445.2	+1147.9	4039	9.2	194733.9	+1112.3	4129	9.3	195918.6	+1149.8
3862	8.6	192321.2	+1113.8	3951	9.2	193450.0	+1130.0	4040	9.1	194752.6	+1119.3	4130	8.5	195930.3	+1138.6
3863	9.3	192339.5	+1129.5	3952	9.4	193451.1	+1131.9	4041	9.3	194753.7	+1153.0	4131	8.2	195950.1	+1148.6
3864	9.0	192339.5	+1117.4	3953	9.1	193513.1	+1130.1	4042	9.5	194757.1	+1159.6	4132	9.5	195953.4	+1141.2
3865	9.0	192340.5	+1116.9	3954	6.9	193524.6	+1151.7	4043	9.4	194806.1	+1103.9	4133	9.1	195958.8	+1116.4
3866	9.3	192349.1	+1118.1	3955	5.7	193544.1	+1128.9	4044	9.5	194808.2	+1108.8	4134	9.3	200000.5	+1115.8
3867	8.7	192355.2	+1152.5	3956	9.4	193619.8	+1124.5	4045	9.1	194810.7	+1114.8	4135	9.4	200006.0	+1146.6
3868	9.1	192404.0	+1119.4	3957	7.8	193626.9	+1140.8	4046	8.9	194815.1	+1100.3	4136	9.5	200007.7	+1120.0
3869	9.4	192418.7	+1104.7	3958	9.5	193638.5	+1112.0	4047	9.5	194820.3	+1130.9	4137	9.0	200008.7	+1154.5
3870	9.5	192419.7	+1107.4	3959	9.4	193643.5	+1155.8	4048	8.2	194822.6	+1134.7	4138	9.0	200016.8	+1157.0
3871	8.0	192436.6	+1120.1	3960	8.0	193645.6	+1151.8	4049	9.5	194831.3	+1108.4	4139	9.1	200026.2	+1133.7
3872	9.5	192439.3	+1104.3	3961	9.5	193655.2	+1144.4	4050	9.2	194834.4	+1125.8	4140	9.4	200026.2	+1116.0
3873	8.3	192447.2	+1125.1	3962	9.5	193713.5	+1103.7	4051	9.5	194859.4	+1106.4	4141	9.2	200030.6	+1148.6
3874	9.2	192514.3	+1134.9	3963	9.3	193726.9	+1135.7	4052	9.1	194913.6	+1132.8	4142	9.4	200040.4	+1120.1
3875	9.5	192516.1	+1111.9	3964	9.4	193731.9	+1102.1	4053	9.2	194916.7	+1117.1	4143	9.0	200040.8	+1152.6
3876	9.5	192516.6	+1147.6	3965	9.5	193743.5	+1118.4	4054	9.5	194918.7	+1128.0	4144	9.1	200057.2	+1154.4
3877	9.5	192525.4	+1103.1	3966	9.4	193828.3	+1146.1	4055	5.5	194922.2	+1102.6	4145	9.5	200058.7	+1159.7
3878	9.5	192528.0	+1111.3	3967	9.5	193828.9	+1104.3	4056	9.1	194931.4	+1108.4	4146	8.0	200128.1	+1118.1
3879	9.5	192531.9	+1152.2	3968	9.4	193836.2	+1108.8	4057	9.0	194954.5	+1142.0	4147	7.8	200130.4	+1110.7
3880	9.5	192541.9	+1137.9	3969	9.3	193845.1	+1118.0	4058	9.5	195008.0	+1152.4	4148	9.0	200133.3	+1110.4
3881	9.5	192544.1	+1113.2	3970	9.3	193847.3	+1156.6	4059	9.5	195017.1	+1123.7	4149	9.1	200144.7	+1150.6
3882	8.1	192548.9	+1144.1	3971	9.4	193859.6	+1125.6	4060</							

*11 4168 20h04m

*11 4527 21h09m

4168	8.9	200444.7	+1117.8	4258	9.0	201905.6	+1141.7	4348	9.3	203358.8	+1130.9	4438	9.4	205137.6	+1158.6
4169	9.4	200449.8	+1154.0	4259	9.4	201910.9	+1143.4	4349	9.5	203403.1	+1136.4	4439	9.0	205139.3	+1140.9
4170	9.1	200450.1	+1150.3	4260	9.3	201923.3	+1113.2	4350	9.0	203408.0	+1117.3	4440	9.2	205140.6	+1156.9
4171	9.4	200510.9	+1114.7	4261	9.2	201952.7	+1148.1	4351	9.4	203412.0	+1120.1	4441	9.5	205149.7	+1106.1
4172	9.5	200518.8	+1156.1	4262	9.5	202002.6	+1135.1	4352	8.3	203424.2	+1158.6	4442	9.5	205151.2	+1118.8
4173	9.5	200520.7	+1125.2	4263	9.0	202002.8	+1107.6	4353	9.4	203431.7	+1126.2	4443	9.3	205202.0	+1145.7
4174	9.2	200522.1	+1134.2	4264	9.5	202003.4	+1105.6	4354	9.5	203438.3	+1134.8	4444	9.4	205218.6	+1103.0
4175	9.5	200532.2	+1111.5	4265	9.5	202012.0	+1141.6	4355	7.7	203446.0	+1103.9	4445	9.2	205221.6	+1128.5
4176	9.5	200550.1	+1133.5	4266	9.5	202021.0	+1112.6	4356	9.4	203447.3	+1124.8	4446	8.8	205224.5	+1106.0
4177	9.5	200553.9	+1156.9	4267	9.2	202050.3	+1109.9	4357	9.3	203452.9	+1101.9	4447	9.4	205241.1	+1120.6
4178	9.0	200555.4	+1144.5	4268	9.5	202100.0	+1154.5	4358	9.5	203458.2	+1119.6	4448	9.5	205322.3	+1102.1
4179	9.5	200609.4	+1101.9	4269	9.5	202107.5	+1154.0	4359	9.4	203504.4	+1102.9	4449	9.5	205334.3	+1139.3
4180	6.3	200611.9	+1124.9	4270	9.3	202128.8	+1101.9	4360	8.4	203537.8	+1156.8	4450	9.1	205356.8	+1156.7
4181	9.5	200621.6	+1126.3	4271	9.5	202130.3	+1133.4	4361	9.4	203601.3	+1159.1	4451	9.5	205410.7	+1140.9
4182	9.4	200701.2	+1133.8	4272	9.2	202131.7	+1140.9	4362	9.5	203610.6	+1115.8	4452	7.8	205413.3	+1123.6
4183	9.2	200706.7	+1142.1	4273	8.0	202133.2	+1114.0	4363	9.0	203614.7	+1113.8	4453	9.4	205415.9	+1106.1
4184	9.2	200712.2	+1156.1	4274	9.5	202138.1	+1118.7	4364	9.3	203728.3	+1133.1	4454	9.5	205434.0	+1150.2
4185	9.3	200749.1	+1144.1	4275	9.4	202147.5	+1103.0	4365	9.4	203728.6	+1108.2	4455	9.5	205521.9	+1134.8
4186	9.5	200756.8	+1125.6	4276	8.9	202154.9	+1136.0	4366	9.5	203735.7	+1153.6	4456	8.4	205540.5	+1155.8
4187	9.4	200757.0	+1108.3	4277	9.4	202157.5	+1110.9	4367	9.0	203753.8	+1127.0	4457	7.2	205542.7	+1105.8
4188	9.3	200812.8	+1116.4	4278	9.3	202218.4	+1150.7	4368	6.1	203800.2	+1147.9	4458	9.5	205606.8	+1153.9
4189	9.5	200818.5	+1141.6	4279	9.5	202235.0	+1123.6	4369	8.1	203811.0	+1115.5	4459	9.5	205610.5	+1107.3
4190	9.3	200835.0	+1121.5	4280	9.4	202240.4	+1158.8	4370	8.5	203812.3	+1118.8	4460	9.5	205623.3	+1125.9
4191	9.5	200846.9	+1101.1	4281	9.5	202250.8	+1148.7	4371	8.5	203812.5	+1129.3	4461	9.2	205638.2	+1150.1
4192	9.4	200907.6	+1109.8	4282	9.5	202255.5	+1124.2	4372	9.5	203814.2	+1102.6	4462	9.4	205641.5	+1129.2
4193	8.5	200909.7	+1131.5	4283	9.5	202301.3	+1101.7	4373	9.5	203831.3	+1126.9	4463	8.9	205646.7	+1126.6
4194	9.0	200916.2	+1104.3	4284	9.5	202311.7	+1150.0	4374	7.8	203839.0	+1107.5	4464	9.4	205647.9	+1101.5
4195	9.5	200922.3	+1125.7	4285	9.5	202313.5	+1140.7	4375	9.5	203857.2	+1154.1	4465	8.8	205707.6	+1111.7
4196	9.4	200926.3	+1107.5	4286	9.3	202327.9	+1133.7	4376	9.5	204002.3	+1127.0	4466	9.3	205721.9	+1101.2
4197	9.4	200929.6	+1136.9	4287	9.5	202332.6	+1103.5	4377	9.5	204005.2	+1152.0	4467	9.4	205737.1	+1156.1
4198	8.3	200941.6	+1128.7	4288	9.5	202345.6	+1132.3	4378	9.2	204012.8	+1119.1	4468	7.6	205740.6	+1127.2
4199	9.5	200946.4	+1152.0	4289	8.9	202351.4	+1136.5	4379	9.4	204020.7	+1143.8	4469	8.6	205756.4	+1101.7
4200	9.2	200947.1	+1123.5	4290	9.5	202402.0	+1122.6	4380	9.5	204021.5	+1135.1	4470	7.5	205757.4	+1152.5
4201	9.2	200949.1	+1100.7	4291	9.5	202409.5	+1143.9	4381	9.3	204034.2	+1155.9	4471	8.7	205807.5	+1135.8
4202	9.0	200955.6	+1104.5	4292	9.1	202417.2	+1146.9	4382	9.5	204035.5	+1119.7	4472	9.5	205824.9	+1106.9
4203	9.4	201025.2	+1115.3	4293	9.5	202422.1	+1136.2	4383	9.4	204042.8	+1115.7	4473	9.4	205910.6	+1137.2
4204	8.3	201032.1	+1145.8	4294	9.2	202422.3	+1129.7	4384	9.3	204048.2	+1154.6	4474	9.5	205911.9	+1150.3
4205	9.5	201050.2	+1141.0	4295	9.5	202431.8	+1158.2	4385	9.0	204105.0	+1100.4	4475	9.2	205931.5	+1115.7
4206	9.4	201052.7	+1112.5	4296	9.5	202449.2	+1114.4	4386	9.4	204105.3	+1143.7	4476	9.4	205935.6	+1140.7
4207	9.4	201107.0	+1112.9	4297	9.2	202514.0	+1146.4	4387	9.5	204128.0	+1100.8	4477	9.3	205938.9	+1137.1
4208	9.5	201113.1	+1107.0	4298	9.4	202526.9	+1107.4	4388	9.5	204131.3	+1108.4	4478	9.0	205959.2	+1112.9
4209	9.1	201122.0	+1105.5	4299	9.0	202532.0	+1121.3	4389	7.5	204156.7	+1120.0	4479	9.3	205941.3	+1102.3
4210	9.5	201129.9	+1158.4	4300	9.5	202535.1	+1101.0	4390	9.5	204157.5	+1149.9	4480	9.4	205944.1	+1104.9
4211	9.5	201143.3	+1101.1	4301	9.0	202559.7	+1134.1	4391	9.5	204245.6	+1149.2	4481	9.2	205944.6	+1154.6
4212	9.5	201147.4	+1137.6	4302	9.3	202559.7	+1134.1	4392	9.5	204247.1	+1105.7	4482	9.5	210002.3	+1153.5
4213	8.7	201207.4	+1159.2	4303	9.3	202601.7	+1154.6	4393	9.4	204255.3	+1131.0	4483	9.5	210007.3	+1118.8
4214	9.4	201215.1	+1109.1	4304	9.1	202605.6	+1144.9	4394	8.0	204302.8	+1121.7	4484	9.5	210017.0	+1121.5
4215	9.4	201229.1	+1148.6	4305	9.5	202612.2	+1124.2	4395	9.4	204308.5	+1135.8	4485	9.4	210049.4	+1128.7
4216	9.3	201232.4	+1155.5	4306	9.5	202625.0	+1119.4	4396	9.5	204312.0	+1104.0	4486	8.8	210103.6	+1114.6
4217	8.4	201235.2	+1140.7	4307	9.1	202625.9	+1156.9	4397	7.8	204315.3	+1133.1	4487	9.5	210112.4	+1128.4
4218	9.4	201238.3	+1153.1	4308	9.1	202634.2	+1148.2	4398	9.3	204322.3	+1115.4	4488	8.2	210150.9	+1105.1
4219	9.5	201251.8	+1143.5	4309	9.5	202644.7	+1154.3	4399	9.5	204327.8	+1116.6	4489	9.5	210212.8	+1133.7
4220	8.2	201255.4	+1159.2	4310	8.9	202701.9	+1128.7	4400	9.5	204407.3	+1139.3	4490	9.0	210218.6	+1111.8
4221	9.5	201256.5	+1135.8	4311	8.6	202703.1	+1136.7	4401	9.2	204412.4	+1124.1	4491	9.5	210220.2	+1140.0
4222	9.5	201258.1	+1140.0	4312	9.4	202725.0	+1153.4	4402	9.2	204414.7	+1148.9	4492	9.5	210222.6	+1131.5
4223	9.3	201300.6	+1124.0	4313	9.4	202731.4	+1107.7	4403	9.2	204419.8	+1113.1	4493	9.4	210226.2	+1156.8
4224	9.5	201305.7	+1128.0	4314	9.5	202822.0	+1145.6	4404	9.5	204422.2	+1104.2	4494	8.8	210311.4	+1152.4
4225	6.6	201316.2	+1101.0	4315	9.5	202822.0	+1145.6	4405	8.2	204447.0	+1120.0	4495	8.1	210314.2	+1158.0
4226	9.5	201324.6	+1137.2	4316	9.4	202826.7	+1141.5	4406	9.0	204458.3	+1143.4	4496	9.0	210314.7	+1148.3
4227	9.5	201329.1	+1126.6	4317	9.5	202829.7	+1102.3	4407	9.0	204500.3	+1142.0	4497	8.4	210315.6	+1141.0
4228	9.5	201334.2	+1127.0	4318	9.4	202835.0	+1115.4	4408	9.5	204524.1	+1139.7	4498	9.5	210353.5	+1121.2
4229	9.4	201349.0	+1140.3	4319	9.5	202843.4	+1105.7	4409	9.0	204535.5	+1152.9	4499	9.5	210428.5	+1112.6
4230	9.3	201359.0	+1152.2	4320	9.5	202847.3	+1158.6	4410	9.2	204603.4	+1104.0	4500	9.5	210431.0	+1100.7
4231	9.5	201400.8	+1147.5	4321	9.4	202856.8	+1143.6	4411	9.5	204615.7	+1136.5	4501	9.4	210443.3	+1151.2
4232	9.5	201408.1	+1158.7	4322	8.9	202917.3	+1112.3	4412	8.9	204621.5	+1129.0	4502	7.1	210514.5	+1111.3
4233	9.4	201409.1	+1136.5	4323	9.5	202922.3	+1126.0	4413	9.5	204625.2	+1103.6	4503	9.4	210525.0	+1106.2
4234	8.9	201442.6	+1100.3	4324	9.5	202924.2	+1154.8	4414	9.5	204643.3	+1134.2	4504	9.5	210554.2	+1127.0
4235	9.3	201500.2	+1131.8	4325	9.3	202928.0	+1145.4	4415	8.1	204644.4	+1109.4	4505	9.4	210559.4	+1135.4
4236	9.3	201515.9	+1116.3	4326	9.1	202941.2	+1105.5	4416	9.5	204657.2	+1128.7	4506	8.9	210614.6	+1111.0
4237	9.4	201519.1	+1112.1	4327	9.5	202949.3	+1159.9	4417	9.2	204703.0	+1122.0	4507	9.5	210631.5	+1119.5
4238	9.4	201521.1	+1114.1	4328	9.3	202949.8	+1150.7	4418	9.1	204704.0	+1111.5	4508	9.2	210643.8	+1159.5
4239	9.3	201534.8	+1154.0	4329	9.5	202956.6	+1154.5	4419	9.5	204717.3	+1124.1	4509	9.0	210643.8	+1146.5
4240	9.4	201535.8	+1151.5	4330	9.5	202959.0	+1100.2								

+11 4528 21h09m

+11 4886 22h41m

4528 8.2 210949.6 +1143.9	4618 9.4 213122.7 +1109.2	4708 9.5 215330.2 +1159.0	4798 9.5 221953.4 +1116.0
4529 9.4 210958.8 +1101.4	4619 8.6 213130.2 +1135.1	4709 9.0 215331.9 +1137.5	4799 9.1 222016.3 +1109.5
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4537 9.5 211201.1 +1137.8	4627 9.5 213302.5 +1134.5	4717 9.5 215512.4 +1139.3	4807 9.5 222134.9 +1131.3
4538 9.4 211216.8 +1119.1	4628 9.5 213328.6 +1157.1	4718 9.5 215534.8 +1117.0	4808 9.5 222137.1 +1145.2
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4542 9.1 211334.3 +1114.6	4632 9.4 213429.2 +1130.2	4722 9.3 215734.3 +1150.3	4812 9.5 222234.6 +1142.8
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4577 20.0 212259.6 +1131.4	4667 9.2 214242.4 +1111.7	4757 8.7 220705.0 +1158.5	4847 9.4 223206.5 +1140.9
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4581 9.4 212353.5 +1102.9	4671 9.4 214327.5 +1153.6	4761 9.1 220737.4 +1138.6	4851 9.3 223221.4 +1124.5
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4595 9.5 212555.2 +1146.9	4685 9.5 214614.3 +1128.2	4775 9.5 221206.4 +1131.3	4865 9.3 223608.5 +1101.6
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4597 9.0 212602.9 +1158.2	4687 9.3 214716.4 +1154.3	4777 9.5 221220.9 +1116.0	4866 9.4 223653.2 +1152.2
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4599 9.3 212640.0 +1104.9	4689 9.1 214738.1 +1110.6	4779 8.0 221247.7 +1142.9	4868 9.4 223746.2 +1121.6
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+10 149 1h06m

+10 508 3h48m

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867 9.5 53640.5 +1044.5

+10 868 5h36m

+10 1225 6h33m

868	9.5	53650.7	+1014.8	957	9.5	55103.7	+1016.6	1047	9.5	60430.2	+1030.3	1136	9.5	61835.4	+1023.2
869	9.2	53654.8	+1058.1	958	9.5	55110.4	+1047.2	1048	6.9	60459.1	+1019.5	1137	9.5	61840.0	+1029.8
870	8.7	53700.1	+1026.4	959	9.5	55133.3	+1012.0	1049	8.9	60501.9	+1057.5	1138	8.8	61901.8	+1055.7
871	9.2	53704.1	+1033.1	960	9.5	55135.1	+1016.7	1050	6.5	60509.8	+1040.3	1139	9.5	61915.7	+1031.0
872	9.3	53723.4	+1011.1	961	9.5	55138.7	+1051.8	1051	9.3	60516.9	+1010.1	1140	9.0	61917.2	+1024.4
873	9.3	53723.7	+1000.9	962	9.5	55142.3	+1035.6	1052	9.5	60518.0	+1013.6	1141	9.4	61933.5	+1020.1
874	9.5	53733.5	+1036.2	963	9.5	55147.1	+1057.8	1053	9.5	60518.5	+1023.7	1142	9.3	61939.2	+1021.0
875	9.5	53740.1	+1022.0	964	9.2	55153.8	+1049.8	1054	8.1	60527.5	+1017.0	1143	9.5	61951.0	+1009.4
876	8.5	53758.4	+1044.1	965	9.5	55211.0	+1030.4	1055	9.5	60533.4	+1040.3	1144	9.5	61959.1	+1049.3
877	9.4	53804.3	+1014.2	966	9.5	55220.6	+1013.4	1056	9.5	60548.6	+1052.3	1145	9.1	62000.0	+1005.1
878	9.0	53807.3	+1001.9	967	9.0	55227.3	+1012.4	1057	8.9	60619.0	+1010.2	1146	9.5	62007.3	+1006.5
879	9.5	53811.0	+1041.7	968	9.5	55232.4	+1032.1	1058	9.5	60619.7	+1036.8	1147	8.8	62010.1	+1012.7
880	9.5	53813.4	+1007.9	969	9.5	55232.7	+1051.4	1059	9.5	60621.2	+1039.6	1148	8.8	62017.3	+1026.6
881	9.5	53814.9	+1034.7	970	9.4	55245.4	+1009.4	1060	9.0	60627.5	+1020.7	1149	6.6	62018.4	+1023.5
882	9.5	53818.7	+1009.1	971	9.4	55247.0	+1005.3	1061	9.5	60634.5	+1022.9	1150	8.8	62049.0	+1019.1
883	9.4	53828.3	+1002.4	972	9.5	55249.1	+1057.1	1062	9.5	60646.0	+1002.7	1151	9.4	62054.7	+1022.1
884	9.3	53833.8	+1056.7	973	8.5	55300.4	+1023.5	1063	9.5	60646.9	+1012.2	1152	8.9	62120.0	+1058.8
885	7.5	53837.7	+1052.5	974	9.5	55316.1	+1021.9	1064	9.3	60705.8	+1004.8	1153	8.0	62140.1	+1045.3
886	7.7	53840.7	+1058.6	975	9.3	55322.5	+1059.0	1065	9.3	60706.9	+1001.3	1154	9.1	62200.8	+1024.7
887	9.5	53910.7	+1040.7	976	9.5	55328.2	+1029.7	1066	9.4	60712.0	+1023.6	1155	9.0	62217.4	+1031.7
888	9.4	53924.3	+1003.5	977	9.1	55329.8	+1054.3	1067	8.6	60727.5	+1037.2	1156	8.3	62222.5	+1013.1
889	9.5	54001.4	+1007.3	978	9.5	55333.1	+1031.8	1067a	8.7	60727.8	+1037.2	1157	9.5	62222.6	+1052.5
890	9.5	54003.7	+1036.8	979	9.5	55336.7	+1054.2	1068	9.5	60728.9	+1011.9	1158	9.3	62246.9	+1009.5
891	9.5	54004.0	+1011.1	980	9.4	55346.3	+1037.9	1069	9.5	60747.5	+1049.6	1159	8.3	62310.4	+1002.2
892	9.5	54025.1	+1017.8	981	9.4	55351.8	+1057.6	1070	9.5	60748.7	+1058.9	1160	8.8	62312.2	+1012.7
893	9.4	54039.3	+1004.5	982	9.5	55417.4	+1039.5	1071	7.0	60756.3	+1019.9	1161	9.5	62326.3	+1041.6
894	9.5	54052.8	+1027.3	983	9.5	55446.4	+1018.5	1072	9.5	60758.1	+1036.9	1162	9.4	62334.2	+1052.6
895	9.5	54058.9	+1049.1	984	9.5	55451.1	+1008.8	1073	9.5	60812.2	+1025.7	1163	9.4	62342.9	+1026.1
896	9.5	54120.1	+1011.1	985	9.4	55505.4	+1002.3	1074	9.5	60826.8	+1058.5	1164	9.5	62350.8	+1022.2
897	8.2	54133.4	+1039.4	986	9.5	55524.0	+1039.0	1075	9.5	60833.7	+1043.1	1165	9.5	62413.7	+1029.4
898	9.5	54135.3	+1003.8	987	9.0	55528.5	+1037.7	1076	9.5	60859.5	+1010.8	1166	9.0	62422.8	+1004.1
899	9.5	54137.4	+1043.8	988	9.3	55541.3	+1035.7	1077	9.5	60910.6	+1025.8	1167	9.5	62423.2	+1023.4
900	9.5	54157.3	+1008.5	989	9.1	55541.8	+1008.0	1078	9.5	60914.9	+1036.1	1168	9.5	62428.4	+1034.3
901	9.3	54203.1	+1035.5	990	9.2	55554.1	+1014.6	1079	8.9	60916.4	+1058.2	1169	9.4	62428.6	+1044.7
902	9.2	54207.1	+1019.6	991	8.2	55639.4	+1030.4	1080	9.5	60923.5	+1009.8	1170	8.3	62437.8	+1031.6
903	8.8	54234.2	+1029.4	992	9.3	55642.9	+1021.0	1081	9.2	60945.1	+1050.5	1171	8.2	62449.3	+1015.8
904	9.0	54244.7	+1023.0	993	9.5	55648.3	+1048.6	1082	9.5	60946.3	+1009.1	1172	8.7	62503.8	+1025.5
905	8.5	54253.2	+1033.5	994	9.5	55652.8	+1037.7	1083	9.5	61039.5	+1004.9	1173	9.4	62503.6	+1005.1
906	9.3	54306.6	+1040.9	995	9.0	55654.0	+1053.8	1084	9.5	61043.8	+1020.2	1174	9.5	62511.7	+1003.1
907	9.3	54307.6	+1044.8	996	9.5	55712.4	+1036.4	1085	9.2	61057.9	+1022.7	1175	9.3	62525.0	+1042.9
908	8.9	54326.8	+1012.0	997	9.2	55726.6	+1030.1	1086	9.5	61059.0	+1025.3	1176	9.5	62531.6	+1022.7
909	9.1	54328.8	+1032.0	998	9.5	55728.8	+1058.0	1087	9.0	61101.9	+1030.0	1177	9.2	62532.8	+1014.8
910	9.0	54345.7	+1023.6	999	9.5	55732.1	+1017.3	1088	9.2	61105.6	+1040.5	1178	9.0	62535.8	+1058.3
911	8.6	54349.3	+1038.4	1000	9.1	55747.1	+1058.8	1089	9.0	61119.3	+1046.8	1179	9.3	62537.7	+1007.7
912	9.3	54407.0	+1038.4	1001	9.4	55803.8	+1022.9	1090	9.5	61123.8	+1042.8	1180	8.9	62549.5	+1017.2
913	9.0	54425.6	+1006.2	1002	9.5	55814.1	+1058.0	1091	9.5	61153.8	+1053.6	1181	9.3	62551.9	+1009.0
914	9.5	54505.5	+1029.9	1003	9.5	55816.0	+1024.2	1092	9.5	61157.5	+1025.7	1182	9.2	62608.3	+1002.7
915	9.3	54515.0	+1059.6	1004	7.6	55826.1	+1045.1	1093	9.5	61220.0	+1041.3	1183	9.3	62625.1	+1025.4
916	9.5	54516.4	+1016.2	1005	9.4	55827.6	+1009.5	1094	9.5	61229.5	+1040.1	1184	9.1	62637.2	+1048.0
917	9.5	54529.5	+1005.5	1006	8.8	55835.4	+1050.8	1095	9.5	61230.2	+1032.9	1185	9.5	62713.0	+1018.4
918	9.1	54531.7	+1023.2	1007	9.0	55837.1	+1035.0	1096	9.5	61238.7	+1004.0	1186	7.0	62719.0	+1006.4
919	9.5	54535.8	+1046.8	1008	9.5	55842.0	+1049.7	1097	9.3	61243.9	+1022.9	1187	9.5	62719.0	+1040.9
920	9.5	54544.6	+1021.1	1009	9.4	55845.1	+1026.4	1098	8.9	61246.1	+1014.2	1188	8.6	62724.6	+1057.4
921	9.5	54552.0	+1012.0	1010	9.5	55856.4	+1018.6	1099	8.9	61249.1	+1058.7	1189	9.5	62741.2	+1039.7
922	8.6	54558.1	+1013.5	1011	9.4	55858.0	+1022.6	1100	9.5	61309.6	+1022.4	1190	9.5	62756.6	+1003.0
923	8.6	54559.6	+1033.1	1012	9.4	55923.1	+1021.8	1101	8.7	61325.8	+1056.9	1191	9.5	62803.4	+1028.1
924	9.4	54604.3	+1045.3	1013	9.5	55923.5	+1012.7	1102	9.3	61342.7	+1019.1	1192	9.5	62806.1	+1000.6
925	9.4	54604.9	+1051.3	1014	9.5	55924.3	+1045.5	1103	9.3	61401.4	+1032.5	1193	8.1	62809.0	+1023.7
926	7.6	54608.8	+1012.3	1015	7.3	55934.8	+1027.9	1104	9.2	61401.9	+1057.5	1194	9.5	62822.4	+1038.8
927	6.5	54611.7	+1032.9	1016	9.5	55953.1	+1029.8	1105	9.3	61402.8	+1056.1	1195	9.5	62832.3	+1019.1
928	9.5	54642.1	+1017.5	1017	9.5	55954.4	+1000.1	1106	9.0	61404.6	+1005.4	1196	9.5	62837.5	+1041.6
929	9.5	54656.1	+1032.0	1018	9.5	60008.5	+1031.0	1107	9.0	61418.0	+1049.6	1197	9.3	62844.0	+1002.0
930	9.5	54713.2	+1053.8	1019	9.3	60028.1	+1043.9	1108	9.5	61418.0	+1048.6	1198	9.3	62848.5	+1044.4
931	9.5	54715.0	+1008.5	1020	9.5	60048.3	+1027.2	1109	9.4	61421.5	+1044.4	1199	9.4	62901.8	+1020.0
932	8.4	54717.8	+1026.5	1021	9.3	60113.9	+1044.7	1110	9.5	61435.6	+1007.7	1200	9.5	62924.1	+1025.6
933	9.5	54725.5	+1059.4	1022	9.3	60121.1	+1023.7	1111	8.9	61437.6	+1009.9	1201	7.1	62935.7	+1058.3
934	9.5	54750.9	+1033.2	1023	9.5	60127.6	+1005.2	1112	9.5	61440.2	+1034.5	1202	9.4	63002.2	+1000.2
935	9.5	54833.4	+1027.5	1024	9.5	60152.1	+1001.5	1113	8.3	61505.4	+1014.3	1203	9.5	63020.7	+1011.4
936	9.0	54836.0	+1031.7	1025	9.3	60152.8	+1053.4	1114	9.4	61523.0	+1036.7	1204	9.4	63028.5	+1027.3
937	9.1	54843.9	+1016.1	1026	9.5	60153.4	+1011.4	1115	8.8	61528.1	+1035.6	1205	9.0	63031.9	+1043.3
938	9.5	54844.7	+1027.6	1027	8.8	60206.1	+1030.1	1116	9.5	61530.4	+1006.7	1206	9.3	63046.3	+1045.8
939	8.2	54908.1	+1012.2	1028	8.8	60218.1	+1019.7	1117	8.7	61531.1	+1055.3	1207	9.5	63046.8	+1051.0
939a	9.0	54910.3	+1012.5	1029	9.5	60219.4	+1028.0	1118	9.5	61548.9	+1055.2	1208	9.0	63050.3	+1066.4
940	9.5	54917.4	+1042.9	1030	9.1	60235.1	+1000.3	1119	9.3	61608.9	+1040.5	1209	9.5	63111.9	+1010.0
941	9.5	54937.3	+1053.9	1031	9.5	60249.3	+1006.4	1120	8.8	61608.9	+1049.5	1210	9.5	63116.7	+1040.6
942	9.5	54945.6	+1008.5	1032	9.5	60253.5	+1023.4								

+10 1226 6h35m			+10 1585 7h30m		
1226	9.2	63308.7 +1025.0	1316	9.0	64622.0 +1013.2
1227	9.2	63310.3 +1001.1	1317	9.5	64625.3 +1023.9
1228	8.8	63344.1 +1010.3	1318	9.5	64626.8 +1028.3
1229	9.5	63349.4 +1049.6	1319	9.4	64631.0 +1031.0
1230	9.5	63351.0 +1009.5	1320	9.3	64634.7 +1037.1
1231	9.5	63405.7 +1030.1	1321	8.8	64634.7 +1052.5
1232	9.5	63412.8 +1052.6	1322	9.5	64636.9 +1034.1
1233	9.2	63420.0 +1017.3	1323	9.5	64641.2 +1002.8
1234	9.2	63428.2 +1058.8	1324	9.1	64644.3 +1053.7
1235	9.2	63438.6 +1014.4	1325	8.5	64646.6 +1043.8
1236	8.5	63441.2 +1027.9	1326	9.2	64701.2 +1002.1
1237	9.3	63443.6 +1039.2	1327	9.2	64708.7 +1017.5
1238	9.5	63456.4 +1028.3	1328	9.5	64710.0 +1024.2
1239	9.5	63507.5 +1024.4	1329	8.9	64753.1 +1035.7
1240	8.8	63515.9 +1018.6	1330	9.5	64753.3 +1044.1
1241	8.8	63523.4 +1051.9	1331	9.5	64801.4 +1007.3
1242	9.4	63528.8 +1039.8	1332	9.5	64802.2 +1043.9
1243	9.5	63531.8 +1042.9	1333	9.5	64820.5 +1040.9
1244	9.5	63541.0 +1021.9	1334	9.5	64820.9 +1015.4
1245	9.5	63551.2 +1016.7	1335	6.1	64826.9 +1008.4
1246	9.5	63552.9 +1024.4	1336	9.5	64839.0 +1001.0
1247	9.5	63610.8 +1013.8	1337	9.5	64839.5 +1012.0
1248	9.5	63627.7 +1014.2	1338	9.0	64844.0 +1020.1
1249	9.0	63640.0 +1051.3	1339	9.3	64845.2 +1030.1
1250	9.4	63640.7 +1046.7	1340	9.5	64849.1 +1026.0
1251	9.4	63653.7 +1057.5	1341	9.2	64855.3 +1043.9
1252	9.5	63654.8 +1003.9	1342	9.5	64905.5 +1044.4
1253	8.2	63657.6 +1053.6	1343	9.1	64932.9 +1006.8
1254	9.5	63708.1 +1010.0	1344	9.5	64934.8 +1024.9
1255	9.2	63709.2 +1015.8	1345	9.0	64945.0 +1044.8
1256	8.7	63724.9 +1059.0	1346	9.5	64949.0 +1009.3
1257	8.3	63732.1 +1030.7	1347	9.5	64949.4 +1049.5
1258	9.5	63737.2 +1001.0	1348	8.9	65001.3 +1040.7
1259	9.5	63742.4 +1059.7	1349	9.5	65004.7 +1050.0
1260	8.7	63745.3 +1053.6	1350	9.0	65007.5 +1041.2
1261	9.5	63837.4 +1058.2	1351	9.5	65009.7 +1047.7
1262	7.5	63845.6 +1053.4	1352	9.5	65022.8 +1032.6
1263	9.0	63903.3 +1010.2	1353	8.9	65024.2 +1001.7
1264	9.5	63905.6 +1032.2	1354	9.5	65030.2 +1044.2
1265	9.5	63936.7 +1055.8	1355	9.5	65047.6 +1030.4
1266	9.5	63951.8 +1031.2	1356	9.4	65048.9 +1027.0
1267	9.3	64000.3 +1011.2	1357	9.5	65059.4 +1054.3
1268	9.3	64002.5 +1035.5	1358	9.5	65117.0 +1033.7
1269	9.0	64007.8 +1055.1	1359	9.1	65120.5 +1056.7
1270	9.1	64010.2 +1020.6	1360	9.0	65127.0 +1046.6
1271	9.3	64017.1 +1039.9	1361	9.5	65127.0 +1048.3
1272	9.4	64019.4 +1059.2	1362	9.5	65146.4 +1044.9
1273	9.3	64020.6 +1008.8	1363	9.3	65147.6 +1051.2
1274	8.7	64023.5 +1038.0	1364	9.5	65150.0 +1001.6
1275	9.3	64023.8 +1035.8	1365	8.8	65201.2 +1055.7
1276	9.3	64032.8 +1019.0	1366	9.5	65205.4 +1013.8
1277	9.4	64033.6 +1018.9	1367	9.0	65206.8 +1007.5
1278	9.2	64037.6 +1033.0	1368	9.2	65229.7 +1046.4
1279	9.5	64037.7 +1044.0	1369	9.4	65246.8 +1037.2
1280	9.4	64048.1 +1032.7	1370	7.2	65258.0 +1049.6
1281	9.5	64054.8 +1053.5	1371	9.3	65259.7 +1043.1
1282	9.5	64102.1 +1017.0	1372	8.9	65309.5 +1025.8
1283	9.5	64104.0 +1047.1	1373	9.2	65326.8 +1021.2
1284	9.5	64134.4 +1014.5	1374	9.2	65327.5 +1002.3
1285	9.2	64140.5 +1039.9	1375	9.5	65328.5 +1008.5
1286	9.5	64145.6 +1053.5	1376	9.3	65336.8 +1002.2
1287	9.5	64150.0 +1056.6	1377	9.5	65349.2 +1058.1
1288	8.8	64151.2 +1057.7	1378	9.5	65359.0 +1028.9
1289	9.0	64208.4 +1011.7	1379	9.5	65400.7 +1055.6
1290	9.4	64211.5 +1009.0	1380	9.5	65402.1 +1043.0
1291	9.0	64217.7 +1052.9	1381	9.5	65419.4 +1042.8
1292	9.5	64302.6 +1030.2	1382	9.3	65435.6 +1056.9
1293	9.2	64312.6 +1052.3	1383	9.5	65437.8 +1010.9
1294	9.5	64315.8 +1004.7	1384	8.8	65439.8 +1017.2
1295	9.4	64317.4 +1048.4	1385	9.5	65443.5 +1021.8
1296	9.3	64326.4 +1012.1	1386	9.5	65443.9 +1012.1
1297	9.4	64328.8 +1037.1	1387	9.5	65455.4 +1048.5
1298	8.9	64331.3 +1058.2	1388	9.5	65505.9 +1051.6
1299	9.5	64339.5 +1046.3	1389	9.4	65511.3 +1006.2
1300	9.5	64345.7 +1009.2	1390	9.3	65523.9 +1027.6
1301	8.1	64355.3 +1058.1	1391	9.5	65527.7 +1014.8
1302	9.4	64400.8 +1036.1	1392	8.6	65538.5 +1058.8
1303	9.3	64407.9 +1058.2	1393	9.5	65547.5 +1031.0
1304	9.5	64445.3 +1010.7	1394	9.4	65559.2 +1023.2
1305	9.5	64450.0 +1030.1	1395	9.2	65602.4 +1006.6
1306	9.5	64452.6 +1053.4	1396	9.0	65613.3 +1053.5
1307	9.5	64504.1 +1003.0	1397	9.5	65642.9 +1038.0
1308	8.8	64506.3 +1039.4	1398	9.5	65643.2 +1003.3
1309	9.5	64508.8 +1051.2	1399	9.5	65645.8 +1008.4
1310	7.7	64513.4 +1045.7	1400	9.4	65655.7 +1021.2
1311	9.3	64518.0 +1057.8	1401	9.5	65701.7 +1015.8
1312	9.5	64542.4 +1059.9	1402	9.4	65708.0 +1025.9
1313	9.5	64547.8 +1048.4	1403	9.5	65708.3 +1020.7
1314	9.5	64556.9 +1009.3	1404	8.8	65721.9 +1045.8
1315	8.2	64604.7 +1041.9	1405	9.3	65727.3 +1004.8
1406	9.5	65728.0 +1036.2	1416	8.4	65907.1 +1005.8
1407	9.2	65728.7 +1056.4	1417	9.1	65907.5 +1022.7
1408	9.2	65734.9 +1057.8	1418	9.5	65919.4 +1011.9
1409	8.3	65740.5 +1036.1	1419	9.1	65922.0 +1031.4
1410	9.5	65758.2 +1047.9	1420	9.2	65923.7 +1045.0
1411	9.5	65759.5 +1007.7	1421	9.5	65938.5 +1005.0
1412	9.5	65815.4 +1056.1	1422	9.0	65949.0 +1013.3
1413	8.5	65817.5 +1029.0	1423	9.4	70001.3 +1034.1
1414	8.7	65837.1 +1026.5	1424	9.5	70014.6 +1054.9
1415	9.3	65843.6 +1025.3	1425	8.8	70026.8 +1053.8
1416	8.4	65907.1 +1005.8	1426	9.0	70028.7 +1000.6
1417	9.1	65907.5 +1022.7	1427	9.0	70032.5 +1032.3
1418	9.5	65919.4 +1011.9	1428	30.0	70044.0 +1015.0
1419	9.1	65922.0 +1031.4	1429	8.3	70058.2 +1016.3
1420	9.2	65923.7 +1045.0	1430	9.5	70101.3 +1023.6
1421	9.5	65938.5 +1005.0	1431	9.5	70107.8 +1023.6
1422	9.0	65949.0 +1013.3	1432	9.0	70107.9 +1025.0
1423	9.4	70001.3 +1034.1	1433	9.3	70115.6 +1022.1
1424	9.5	70014.6 +1054.9	1434	9.5	70121.0 +1002.2
1425	8.8	70026.8 +1053.8	1435	9.5	70137.9 +1036.9
1426	9.0	70028.7 +1000.6	1436	9.5	70153.0 +1002.8
1427	9.0	70032.5 +1032.3	1437	9.5	70201.1 +1022.6
1428	30.0	70044.0 +1015.0	1438	9.0	70220.5 +1050.3
1429	8.3	70058.2 +1016.3	1439	8.9	70222.2 +1019.7
1430	9.5	70101.3 +1023.6	1440	9.3	70231.7 +1033.7
1431	9.5	70107.8 +1023.6	1441	9.3	70234.3 +1044.9
1432	9.0	70107.9 +1025.0	1442	9.4	70241.6 +1095.5
1433	9.3	70115.6 +1022.1	1443	8.9	70311.2 +1022.8
1434	9.5	70121.0 +1002.2	1444	8.9	70314.7 +1050.9
1435	9.5	70137.9 +1036.9	1445	9.5	70330.0 +1058.6
1436	9.5	70153.0 +1002.8	1446	9.5	70334.3 +1000.3
1437	9.5	70201.1 +1022.6	1447	9.3	70346.5 +1027.2
1438	9.0	70220.5 +1050.3	1448	8.2	70350.6 +1044.8
1439	8.9	70222.2 +1019.7	1449	9.5	70400.9 +1034.1
1440	9.3	70231.7 +1033.7	1450	9.4	70404.6 +1003.9
1441	9.3	70234.3 +1044.9	1451	9.5	70411.0 +1042.1
1442	9.4	70241.6 +1095.5	1452	9.1	70423.8 +1019.2
1443	8.9	70311.2 +1022.8	1453	8.0	70430.7 +1026.4
1444	8.9	70314.7 +1050.9	1454	8.7	70436.1 +1013.4
1445	9.5	70330.0 +1058.6	1455	9.5	70505.2 +1043.9
1446	9.5	70334.3 +1000.3	1456	9.5	70507.0 +1020.8
1447	9.3	70346.5 +1027.2	1457	9.5	70515.1 +1019.0
1448	8.2	70350.6 +1044.8	1458	7.5	70548.5 +1056.1
1449	9.5	70400.9 +1034.1	1459	9.3	70559.3 +1031.6
1450	9.4	70404.6 +1003.9	1460	8.7	70603.6 +1049.8
1451	9.5	70411.0 +1042.1	1461	9.5	70614.2 +1023.6
1452	9.1	70423.8 +1019.2	1462	9.5	70623.3 +1030.4
1453	8.0	70430.7 +1026.4	1463	9.5	70644.4 +1057.8
1454	8.7	70436.1 +1013.4	1464	9.0	70646.9 +1013.8
1455	9.5	70505.2 +1043.9	1465	9.3	70650.0 +1025.2
1456	9.5	70507.0 +1020.8	1466	9.2	70655.2 +1016.0
1457	9.5	70515.1 +1019.0	1467	9.4	70725.2 +1046.7
1458	7.5	70548.5 +1056.1	1468	9.3	70734.3 +1053.0
1459	9.3	70559.3 +1031.6	1469	8.7	70804.0 +1030.0
1460	8.7	70603.6 +1049.8	1470	8.2	70812.9 +1014.9
1461	9.5	70614.2 +1023.6	1471	9.5	70815.1 +1019.3
1462	9.5	70623.3 +1030.4	1472	9.5	70835.2 +1030.8
1463	9.5	70644.4 +1057.8	1473	9.1	70845.0 +1003.5
1464	9.0	70646.9 +1013.8	1474	9.2	70851.7 +1051.4
1465	9.3	70650.0 +1025.2	1475	9.4	70912.5 +1015.0
1466	9.2	70655.2 +1016.0	1476	9.5	70913.7 +1047.8
1467	9.4	70725.2 +1046.7	1477	8.7	70927.6 +1032.4
1468	9.3	70734.3 +1053.0	1478	9.3	70936.4 +1015.2
1469	8.7	70804.0 +1030.0	1479	9.5	71005.6 +1050.6
1470	8.2	70812.9 +1014.9	1480	9.3	71005.6 +1008.8
1471	9.5	70815.1 +1019.3	1481	9.3	71018.9 +1021.8
1472	9.5	70835.2 +1030.8	1482	9.5	71020.1 +1030.5
1473	9.1	70845.0 +1003.5	1483	9.5	71022.0 +1047.2
1474	9.2	70851.7 +1051.4	1484	9.3	71026.2 +1024.8
1475	9				

+10 1586 7h30m

+10 1945 9h01m

1586 9.3 73047.5 +1005.1	1676 9.5 75034.6 +1002.5	1766 9.3 80955.2 +1007.5	1856 9.5 83438.4 +1052.4
1587 9.3 73104.4 +1023.0	1677 8.3 75049.3 +1030.9	1767 9.3 81010.4 +1059.6	1857 9.3 83450.2 +1006.1
1588 9.5 73111.6 +1018.8	1678 9.5 75051.0 +1038.2	1768 9.0 81013.7 +1053.7	1858 9.3 83503.9 +1052.6
1589 9.0 73131.1 +1042.4	1679 9.4 75104.1 +1007.8	1769 9.5 81056.5 +1047.5	1859 9.0 83547.6 +1012.3
1590 9.5 73238.8 +1038.7	1680 9.5 75113.8 +1010.2	1770 9.3 81117.7 +1013.4	1860 8.7 83555.9 +1000.6
1591 9.5 73239.7 +1056.9	1681 9.5 75123.4 +1044.3	1771 9.2 81148.9 +1010.9	1861 8.7 83601.9 +1048.1
1592 9.0 73249.3 +1006.0	1682 8.2 75130.8 +1019.4	1772 9.3 81152.9 +1010.5	1862 9.5 83605.0 +1016.7
1593 9.0 73308.5 +1027.2	1683 9.5 75151.1 +1054.6	1773 8.8 81217.8 +1019.6	1863 9.0 83611.7 +1056.5
1594 8.8 73315.1 +1006.4	1684 8.2 75157.0 +1018.4	1774 9.3 81224.1 +1042.7	1864 6.0 83652.9 +1036.3
1595 9.5 73319.8 +1008.6	1685 9.4 75202.2 +1058.0	1775 9.3 81278.6 +1030.8	1865 9.5 83705.4 +1057.8
1596 9.5 73324.9 +1003.5	1686 9.3 75204.2 +1022.3	1776 9.0 81233.7 +1057.8	1866 9.5 83740.3 +1049.6
1597 9.5 73328.8 +1004.1	1687 9.5 75208.8 +1012.7	1777 9.5 81509.7 +1013.6	1867 8.0 83811.3 +1027.9
1598 9.4 73331.2 +1011.3	1688 9.0 75213.9 +1024.9	1778 9.1 81328.4 +1047.6	1868 9.3 83835.2 +1041.2
1599 8.5 73347.0 +1002.8	1689 8.8 75214.7 +1015.6	1779 9.3 81546.5 +1004.8	1869 9.5 83839.2 +1007.3
1600 9.0 73356.4 +1042.5	1690 9.3 75215.4 +1003.3	1780 9.5 81556.3 +1043.0	1870 9.4 83841.8 +1023.9
1601 9.5 73357.6 +1054.9	1691 9.3 75226.5 +1044.5	1781 8.2 81401.1 +1031.7	1871 8.7 83919.3 +1008.6
1602 9.5 73414.3 +1016.9	1692 9.0 75227.8 +1032.4	1782 9.3 81433.6 +1055.9	1872 9.5 83954.2 +1037.9
1603 9.4 73425.0 +1009.9	1693 9.0 75231.5 +1024.9	1783 9.5 81512.6 +1030.2	1873 9.3 84016.0 +1001.4
1604 9.5 73428.4 +1032.4	1694 8.5 75231.9 +1018.7	1784 9.5 81523.3 +1005.9	1874 9.0 84016.1 +1016.0
1605 9.0 73452.1 +1054.2	1695 9.5 75235.3 +1027.1	1785 9.1 81557.9 +1021.3	1875 9.5 84029.0 +1016.0
1606 9.4 73501.0 +1030.3	1696 9.2 75246.9 +1005.2	1786 9.2 81636.7 +1055.5	1876 7.1 84044.9 +1057.3
1607 9.5 73507.6 +1053.4	1697 9.2 75250.2 +1053.0	1787 9.3 81646.1 +1050.8	1877 9.5 84055.8 +1048.0
1608 9.4 73516.7 +1032.4	1698 9.2 75312.5 +1007.3	1788 9.1 81649.3 +1050.3	1878 9.5 84121.3 +1045.0
1609 9.5 73516.7 +1028.5	1699 9.0 75312.8 +1049.6	1789 8.5 81653.0 +1012.6	1879 9.4 84142.2 +1019.0
1610 9.1 73533.9 +1024.1	1700 9.5 75347.2 +1018.0	1790 9.3 81653.5 +1034.7	1880 9.3 84150.9 +1036.5
1611 9.4 73547.5 +1038.2	1701 8.5 75347.3 +1001.4	1791 9.3 81658.4 +1045.0	1881 9.3 84201.8 +1058.0
1612 9.4 73608.8 +1034.0	1702 9.5 75347.6 +1052.9	1792 8.7 81707.0 +1025.1	1882 9.5 84214.0 +1058.3
1613 9.5 73629.9 +1022.0	1703 9.1 75401.0 +1024.6	1793 9.0 81716.2 +1012.3	1883 9.5 84230.8 +1022.5
1614 9.3 73633.7 +1015.7	1704 9.3 75422.6 +1034.1	1794 9.5 81718.6 +1059.0	1884 9.4 84235.0 +1058.0
1615 9.5 73657.7 +1012.7	1705 9.3 75424.5 +1030.5	1795 9.2 81739.5 +1057.3	1885 9.3 84302.7 +1011.6
1616 9.2 73701.5 +1053.1	1706 9.5 75441.0 +1051.7	1796 9.0 81757.8 +1017.3	1886 9.3 84303.0 +1001.6
1617 9.5 73727.0 +1002.4	1707 9.3 75442.4 +1009.9	1797 9.2 81818.7 +1006.2	1887 9.5 84326.9 +1041.0
1618 9.5 73727.0 +1027.2	1708 8.8 75456.7 +1015.5	1798 8.3 81823.9 +1000.4	1888 9.5 84339.5 +1037.0
1619 9.0 73743.7 +1011.9	1709 9.5 75506.9 +1017.1	1799 8.3 81835.1 +1033.5	1889 9.0 84354.4 +1055.4
1620 8.5 73748.9 +1044.4	1710 8.0 75518.7 +1020.8	1800 9.3 81928.7 +1046.6	1890 9.2 84407.0 +1057.9
1621 9.5 73755.4 +1055.9	1711 8.8 75538.3 +1031.5	1801 9.2 81930.1 +1040.4	1891 9.5 84416.3 +1009.4
1622 9.5 73827.9 +1021.2	1712 8.8 75545.1 +1053.2	1802 9.5 81939.6 +1058.5	1892 9.1 84418.8 +1051.6
1623 9.0 73833.0 +1046.3	1713 8.8 75551.5 +1049.0	1803 9.5 82027.3 +1040.4	1893 8.5 84422.1 +1024.3
1624 9.0 73836.5 +1044.7	1714 9.5 75606.2 +1001.8	1804 9.3 82031.2 +1015.9	1894 9.5 84423.6 +1033.8
1625 8.8 73901.9 +1044.0	1715 9.1 75612.0 +1004.3	1805 9.3 82043.3 +1004.4	1895 9.5 84447.7 +1051.9
1626 9.2 73902.5 +1027.1	1716 7.8 75624.3 +1039.1	1806 9.3 82046.8 +1017.5	1896 8.8 84502.9 +1017.8
1627 8.8 73943.9 +1023.3	1717 9.0 75632.0 +1030.5	1807 9.3 82106.2 +1045.6	1897 8.5 84517.5 +1042.0
1628 8.9 74013.6 +1004.2	1718 9.5 75633.8 +1053.1	1808 9.5 82107.1 +1053.3	1898 9.3 84527.6 +1048.1
1629 9.5 74027.7 +1045.7	1719 9.4 75637.5 +1023.6	1809 9.3 82137.7 +1011.6	1899 9.3 84531.4 +1010.5
1630 9.5 74037.9 +1006.0	1720 9.5 75700.0 +1021.5	1810 9.0 82157.9 +1041.7	1900 8.8 84624.4 +1021.0
1631 9.4 74050.0 +1007.5	1721 8.0 75705.1 +1054.5	1811 8.5 82202.2 +1056.6	1901 9.0 84625.0 +1051.0
1632 9.5 74050.3 +1040.1	1722 9.0 75724.4 +1002.1	1812 9.5 82248.0 +1012.6	1902 9.4 84629.8 +1010.5
1633 9.5 74109.8 +1013.6	1723 8.5 75739.2 +1016.6	1813 9.5 82251.1 +1006.5	1903 9.5 84635.0 +1026.1
1634 9.2 74114.6 +1029.4	1724 9.5 75835.6 +1054.0	1814 9.0 82309.8 +1030.2	1904 9.3 84736.2 +1003.3
1635 9.0 74116.6 +1059.3	1725 8.2 75854.4 +1009.6	1815 9.5 82346.6 +1056.6	1905 9.5 84752.8 +1033.4
1636 9.3 74137.3 +1006.5	1726 9.4 75901.4 +1001.1	1816 7.5 82401.8 +1017.8	1906 9.4 84807.0 +1015.9
1637 9.3 74202.0 +1023.5	1727 7.7 75909.9 +1023.5	1817 9.4 82434.4 +1044.1	1907 9.5 84816.0 +1057.9
1638 9.5 74222.3 +1020.6	1728 8.8 75916.9 +1032.7	1818 6.8 82446.9 +1035.0	1908 9.5 84827.6 +1048.9
1639 9.5 74223.4 +1013.2	1729 9.5 75927.8 +1059.7	1819 9.3 82459.1 +1025.4	1909 9.4 85004.3 +1038.3
1640 8.5 74223.5 +1052.9	1730 8.8 75934.2 +1013.5	1820 9.0 82508.7 +1027.2	1910 9.3 85024.9 +1041.5
1641 8.0 74232.9 +1007.7	1731 9.3 75947.3 +1041.6	1821 9.5 82554.1 +1010.1	1911 8.5 85047.7 +1006.2
1642 9.3 74254.0 +1003.6	1732 9.5 75953.1 +1004.5	1822 9.5 82618.5 +1056.6	1912 9.4 85050.0 +1029.7
1643 9.2 74257.6 +1029.5	1733 9.5 75953.0 +1001.0	1823 9.2 82630.4 +1047.3	1913 8.5 85053.5 +1029.4
1644 9.5 74306.0 +1047.5	1734 9.5 80026.5 +1003.3	1824 9.4 82634.0 +1027.5	1914 9.4 85101.7 +1053.4
1645 9.1 74312.6 +1046.5	1735 9.3 80027.6 +1009.0	1825 8.8 82720.1 +1031.1	1915 9.3 85165.9 +1016.0
1646 9.5 74336.9 +1028.2	1736 9.0 80033.2 +1056.9	1826 9.3 82725.8 +1041.4	1916 9.4 85119.9 +1025.7
1647 9.3 74341.4 +1012.2	1737 9.5 80053.7 +1013.3	1827 9.3 82732.1 +1003.5	1917 9.5 85122.3 +1012.2
1648 9.2 74345.9 +1011.9	1738 8.2 80107.5 +1055.5	1828 9.3 82738.7 +1010.3	1918 9.5 85128.6 +1051.9
1649 8.7 74403.5 +1037.3	1739 9.5 80117.1 +1006.4	1829 9.5 82754.7 +1056.2	1919 9.2 85204.9 +1049.9
1650 9.5 74415.7 +1036.3	1740 9.5 80158.7 +1013.3	1830 9.1 82756.1 +1055.7	1920 9.3 85211.5 +1013.4
1651 9.3 74448.8 +1051.4	1741 9.5 80245.7 +1058.9	1831 9.0 82803.0 +1024.6	1921 9.5 85224.4 +1010.0
1652 9.5 74501.0 +1058.1	1742 8.5 80250.8 +1040.0	1832 9.5 82813.0 +1050.9	1922 9.5 85241.6 +1039.7
1653 9.5 74540.3 +1032.5	1743 9.5 80304.0 +1050.6	1833 9.4 82826.3 +1054.5	1923 8.8 85332.8 +1032.7
1654 9.2 74552.5 +1013.3	1744 8.5 80309.2 +1000.4	1834 8.5 82832.9 +1046.6	1924 9.3 85335.9 +1059.9
1655 9.2 74639.4 +1016.0	1745 9.5 80316.6 +1039.3	1835 9.3 82855.8 +1017.4	1925 9.4 85344.2 +1016.3
1656 8.7 74646.0 +1014.2	1746 6.5 80322.5 +1016.2	1836 9.0 82906.7 +1003.9	1926 9.3 85351.5 +1011.1
1657 9.2 74702.7 +1045.4	1747 8.7 80341.6 +1006.6	1837 6.0 82914.9 +1010.0	1927 9.5 85412.9 +1054.5
1658 8.9 74706.5 +1045.2	1748 9.2 80356.9 +1054.2	1838 9.5 82921.8 +1018.5	1928 8.7 85423.4 +1040.6
1659 9.4 74737.9 +1016.4	1749 9.3 80423.1 +1001.7	1839 8.8 83005.9 +1033.5	1929 8.9 85430.7 +1056.8
1660 9.0 74743.0 +1037.5	1750 9.4 80429.1 +1054.0	1840 7.4 83015.3 +1004.6	1930 8.9 85437.0 +1052.0
1661 9.2 74745.2 +1049.0	1751 9.5 80455.3 +1016.9	1841 9.5 83035.6 +1018.1	1931 9.1 85440.0 +1042.3
1662 7.8 74750.2 +1049.8	1752 8.0 80459.8 +1000.6	1842 8.8 83037.5 +1007.4	1932 9.5 85507.6 +1036.2
1663 9.2 74753.4 +1013.3	1753 9.0 80510.1 +1052.5	1843 8.8 83105.3 +1039.4	1933 8.5 85521.9 +1052.3
1664 9.4 74847.7 +1039.6	1754 9.3 80525.9 +1030.6	1844 9.5 83111.9 +1055.2	1934 8.3 85552.9 +1027.0
1665 9.2 74849.8 +1002.0	1755 8.0 80540.5 +1049.3	1845 9.3 83130.0 +1053.2	1935 8.5 85519.0 +1018.6
1666 9.5 74903.6 +1022.5	1756 8.2 80637.7 +1037.4	1846 9.3 83202.9 +1022.0	1936 9.1 85610.9 +1015.1
1667 9.5 74922.1 +1027.8	1757 9.2 80643.1 +1001.2	1847 9.3 83221.0 +1051.8	1937 8.5 85605.8 +1026.7
1668 9.3 74925.2 +1048.2	1758 9.0 80646.6 +1038.7	1848 7.8 83301.5 +1020.0	1938 9.3 85614.6 +1014.1
1669 9.5 74947.1 +1024.8	1759 9.5 80656.6 +1051.0	1849 9.3 83301.8 +1056.6	1939 9.5 85620.8 +1040.6
1670 9.5 74954.9 +1009.1	1760 9.5 80703.3 +1036.0	1850 9.2 83304.1 +1030.5	1940 8.0 85922.5 +1013.9
1671 9.5 75007.5 +1055.1	1761 9.3 80711.4 +1021.2	1851 9.5 83314.4 +1020.3	1941 9.3 85952.4 +1034.6
1672 9.5 75010.6 +1011.3	1762 9.3 80737.5 +1026.4	1852 9.5 83341.7 +1051.0	1942 9.4 90035.8 +1051.5
1673 9.3 75014.2 +1001.1	1763 8.8 80855.1 +1054.6	1853 9.5 83411.9 +1044.8	1943 8.4 90121.5 +1054.7
1674 9.5 75022.2 +1000.0	1764 8.7 80857.8 +1058.7	1854 8.4 83416.9 +1056.9	1944 8.5 90154.3 +1020.6
1675 9.5 75033.2 +1045.9	1765 9.3 80937.1 +1053.6	1855 9.3 83425.5 +1053.8	1945 8.7 90156.3 +1046.9

*10 1946 9h02m

*10 2303 11h25m

1946 9.5 90210.7 +1022.3	2036 9.0 93039.6 +1019.5	2126 9.3 100625.7 +1004.4	2216 9.5 104550.5 +1030.5
1947 9.4 90216.7 +1058.2	2037 8.8 93050.3 +1016.3	2127 9.1 100705.1 +1019.9	2217 9.2 104553.3 +1058.0
1948 9.3 90232.3 +1045.7	2038 9.3 93107.7 +1012.9	2128 9.2 100730.7 +1059.0	2218 9.1 104654.2 +1050.6
1949 9.0 90232.8 +1028.5	2039 8.8 93114.9 +1050.7	2129 9.5 100824.4 +1050.4	2219 9.5 104736.9 +1052.4
1950 9.5 90251.4 +1031.8	2040 9.5 93206.1 +1038.1	2130 9.5 100835.4 +1025.6	2220 9.5 104738.2 +1015.3
1951 9.4 90256.8 +1052.4	2041 8.5 93212.2 +1010.0	2131 9.3 100843.9 +1034.0	2221 9.1 104739.1 +1043.6
1952 9.2 90408.5 +1021.0	2042 9.4 93234.2 +1052.5	2132 8.5 100921.1 +1050.1	2222 9.5 104752.0 +1005.1
1953 9.2 90410.8 +1026.0	2043 8.7 93246.9 +1004.9	2133 9.5 100956.6 +1025.0	2223 8.8 104815.7 +1053.3
1954 8.7 90448.0 +1028.5	2044 3.7 93325.6 +1032.5	2134 9.5 101057.1 +1029.4	2224 9.0 104958.6 +1032.4
1955 9.2 90453.7 +1010.9	2045 9.5 93329.3 +1015.2	2135 9.2 101059.4 +1051.2	2225 9.5 104959.2 +1033.2
1956 7.8 90533.9 +1053.9	2046 8.9 93344.4 +1007.7	2136 9.5 101059.7 +1048.2	2226 9.0 105019.9 +1027.0
1957 9.5 90639.9 +1004.3	2047 9.5 93544.2 +1054.8	2137 9.5 101113.9 +1031.5	2227 7.7 105037.4 +1028.6
1958 9.2 90653.0 +1048.5	2048 9.4 93634.3 +1019.5	2138 9.3 101145.1 +1027.1	2228 9.5 105110.0 +1001.4
1959 9.4 90657.0 +1054.7	2049 7.6 93742.3 +1053.2	2139 8.0 101147.4 +1037.0	2229 9.5 105131.6 +1012.7
1960 9.4 90716.9 +1058.3	2050 9.4 93818.9 +1044.0	2140 8.7 101153.6 +1001.0	2230 7.5 105158.2 +1042.4
1961 8.5 90723.9 +1021.3	2051 9.4 93844.1 +1033.0	2141 9.3 101234.7 +1032.1	2231 9.5 105305.8 +1023.8
1962 9.1 90726.5 +1027.8	2052 9.5 93934.5 +1028.9	2142 9.3 101246.8 +1051.0	2232 9.3 105323.7 +1032.2
1963 9.5 90728.6 +1001.7	2053 9.5 93943.8 +1005.3	2143 9.5 101418.0 +1026.1	2233 9.5 105434.0 +1056.5
1964 9.2 90759.8 +1050.1	2054 7.7 94000.8 +1044.5	2144 8.9 101445.2 +1031.1	2234 8.7 105435.9 +1040.0
1965 7.8 90800.2 +1058.5	2055 9.5 94016.4 +1039.3	2145 9.3 101525.5 +1045.8	2235 9.1 105436.1 +1030.0
1966 9.4 90846.9 +1004.2	2056 9.3 94037.5 +1029.4	2146 9.3 101641.4 +1004.2	2236 8.8 105441.9 +1055.2
1967 9.4 90851.1 +1021.3	2057 9.4 94039.5 +1053.4	2147 8.5 101721.7 +1043.1	2237 9.5 105452.5 +1007.9
1968 9.2 90934.6 +1009.4	2058 9.0 94040.7 +1001.5	2148 9.3 101730.1 +1019.7	2238 9.5 105505.7 +1024.6
1969 9.4 91035.5 +1028.1	2059 9.5 94122.9 +1050.8	2149 9.5 101739.7 +1022.3	2239 9.5 105604.3 +1005.7
1970 9.1 91122.2 +1038.1	2060 9.4 94158.6 +1027.9	2150 9.3 101805.0 +1039.2	2240 8.3 105622.3 +1044.6
1971 9.2 91131.3 +1047.7	2061 8.5 94225.4 +1020.3	2151 9.5 101820.3 +1004.0	2241 9.5 105712.0 +1028.4
1972 7.2 91142.9 +1024.2	2062 9.0 94401.0 +1028.9	2152 7.0 101959.7 +1029.4	2242 9.5 105723.9 +1059.5
1973 9.3 91157.5 +1039.9	2063 9.3 94417.3 +1044.7	2153 9.1 102003.6 +1036.9	2243 9.0 105739.0 +1020.9
1974 9.2 91202.9 +1042.2	2064 9.3 94432.0 +1041.4	2154 9.5 102038.1 +1003.1	2244 8.8 105845.7 +1010.2
1975 9.2 91206.2 +1027.9	2065 8.8 94526.5 +1017.1	2155 9.5 102050.9 +1033.9	2245 8.5 105903.4 +1045.3
1976 9.5 91257.6 +1056.4	2066 9.5 94547.9 +1056.9	2156 9.5 102107.2 +1013.0	2246 9.5 105924.9 +1045.3
1977 9.3 91258.2 +1050.0	2067 8.0 94614.1 +1057.1	2157 8.7 102115.6 +1018.2	2247 9.2 105924.9 +1031.0
1978 9.5 91316.5 +1029.9	2068 9.5 94630.6 +1028.4	2158 9.5 102120.7 +1055.2	2248 8.9 105931.4 +1024.2
1979 9.5 91316.8 +1035.0	2069 9.0 94711.8 +1035.9	2159 9.5 102129.4 +1007.9	2249 9.3 105937.6 +1053.3
1980 6.5 91335.8 +1010.0	2070 9.4 94721.7 +1053.0	2160 7.7 102131.2 +1053.4	2250 7.3 105938.9 +1059.0
1981 9.4 91404.7 +1056.7	2071 9.4 94728.4 +1031.1	2161 9.2 102135.0 +1001.1	2251 9.2 105948.0 +1057.9
1982 9.5 91410.3 +1051.0	2072 8.2 94738.8 +1047.0	2162 8.5 102342.5 +1047.5	2252 9.0 110024.4 +1059.4
1983 9.5 91415.9 +1013.8	2073 9.5 94739.2 +1012.4	2163 9.5 102354.3 +1055.9	2253 9.5 110035.0 +1008.3
1984 9.3 91424.0 +1040.0	2074 9.5 94832.1 +1025.6	2164 9.1 102359.5 +1033.8	2254 9.5 110125.6 +1028.1
1985 9.5 91425.0 +1024.0	2075 8.5 94833.2 +1056.3	2165 8.5 102430.9 +1009.6	2255 8.6 110214.8 +1056.2
1986 8.9 91457.5 +1047.2	2076 9.3 94902.3 +1006.0	2166 4.1 102510.9 +1002.7	2256 9.4 110300.2 +1058.1
1987 8.8 91524.1 +1045.0	2077 9.5 94933.0 +1048.9	2167 9.0 102542.0 +1045.4	2256a 9.6 110303.4 +1035.4
1988 9.1 91559.3 +1028.2	2078 9.5 94933.7 +1058.3	2168 9.5 102551.9 +1052.7	2257 8.9 110322.5 +1038.1
1989 9.0 91610.8 +1056.9	2079 9.0 94958.8 +1041.7	2169 9.5 102557.3 +1055.9	2257a 9.7 110333.0 +1016.5
1990 9.1 91637.3 +1010.1	2080 9.3 95003.7 +1002.8	2170 9.3 102649.8 +1042.7	2258 9.2 110432.0 +1040.0
1991 8.5 91702.0 +1009.0	2081 8.5 95016.8 +1022.8	2171 9.5 102747.3 +1047.8	2259 9.2 110432.8 +1027.1
1992 8.1 91722.7 +1006.0	2082 9.3 95022.7 +1043.2	2172 9.3 102752.9 +1000.1	2260 8.5 110510.3 +1039.3
1993 8.6 91746.2 +1048.9	2083 9.3 95044.3 +1043.2	2173 8.5 102833.1 +1021.0	2261 9.3 110527.3 +1040.0
1994 9.3 91817.3 +1048.2	2084 9.0 95132.1 +1052.2	2174 9.2 102905.0 +1045.9	2262 9.5 110546.7 +1056.4
1995 9.1 91828.5 +1047.5	2085 9.5 95134.1 +1003.3	2175 9.2 102916.8 +1006.1	2263 9.4 110553.5 +1003.6
1996 9.3 91830.2 +1036.1	2086 8.7 95153.1 +1000.9	2176 8.5 102934.8 +1007.5	2264 9.3 110741.2 +1046.2
1997 9.3 91838.3 +1050.3	2087 9.1 95221.9 +1020.1	2177 9.3 103031.0 +1036.5	2265 9.4 110749.3 +1046.9
1998 9.4 91916.7 +1045.2	2088 9.5 95229.9 +1044.1	2178 9.5 103100.0 +1054.5	2266 9.3 110753.3 +1005.3
1999 8.7 91940.2 +1027.7	2089 9.5 95304.0 +1003.7	2179 9.0 103116.9 +1047.6	2267 9.4 110832.2 +1002.3
2000 9.3 91947.9 +1035.4	2090 9.3 95317.9 +1023.0	2180 9.5 103232.3 +1055.3	2268 9.0 110844.5 +1002.4
2001 9.5 91958.1 +1046.0	2091 9.5 95359.1 +1019.2	2181 8.8 103233.9 +1034.5	2269 9.3 110855.0 +1008.6
2002 8.2 92019.4 +1050.9	2092 9.7 95401.9 +1055.2	2182 9.3 103242.8 +1025.9	2270 9.5 110858.6 +1018.2
2003 9.4 92032.8 +1033.9	2093 9.4 95407.0 +1017.4	2183 9.2 103317.3 +1001.0	2271 9.1 110937.0 +1047.3
2004 9.3 92114.3 +1056.8	2094 9.3 95433.3 +1045.1	2184 9.3 103332.0 +1038.1	2272 8.9 111053.6 +1056.0
2005 9.3 92129.3 +1054.6	2095 9.0 95437.2 +1048.7	2185 9.3 103332.7 +1048.1	2273 8.9 111122.7 +1059.2
2006 8.9 92156.6 +1033.8	2096 9.0 95443.7 +1037.3	2186 9.5 103408.2 +1039.0	2274 8.5 111134.2 +1032.1
2007 8.8 92202.5 +1028.0	2097 9.5 95448.8 +1022.8	2187 9.5 103432.5 +1005.7	2275 9.0 111202.0 +1052.3
2008 9.2 92248.3 +1035.2	2098 9.5 95506.9 +1036.7	2188 8.8 103455.4 +1046.8	2276 8.7 111204.7 +1043.4
2009 9.3 92259.2 +1054.8	2099 9.4 95544.7 +1026.4	2189 9.5 103511.4 +1001.2	2277 9.5 111327.9 +1037.6
2010 9.3 92303.6 +1022.0	2100 7.2 95550.3 +1036.2	2190 9.0 103542.5 +1051.3	2278 9.5 111453.8 +1024.8
2011 7.7 92314.2 +1047.3	2101 9.5 95615.0 +10 8.8	2191 9.5 103551.0 +1056.1	2279 9.4 111507.1 +1041.3
2012 8.3 92327.5 +1055.5	2102 9.1 95712.5 +1021.4	2192 9.5 103604.9 +1035.0	2280 9.5 111512.5 +1040.4
2013 9.1 92356.9 +1059.3	2103 9.5 95718.3 +1042.0	2193 9.5 103607.0 +1026.8	2281 9.5 111646.8 +1003.5
2014 6.0 92411.1 +1021.0	2104 9.5 95719.6 +1059.3	2194 9.2 103616.0 +1049.0	2282 9.1 111658.2 +1016.7
2015 9.3 92412.1 +1021.3	2105 9.3 95737.6 +1010.7	2195 9.2 103645.8 +1007.6	2283 9.5 111755.4 +1056.0
2016 9.0 92505.8 +1031.6	2106 9.5 95740.9 +1033.5	2196 9.2 103721.5 +1051.4	2284 9.3 111800.2 +1051.6
2017 9.4 92521.1 +1016.5	2107 9.5 95741.6 +1027.0	2197 9.0 103726.1 +1017.3	2285 9.0 111847.8 +1009.2
2018 9.4 92603.6 +1057.8	2108 9.3 95756.9 +1022.5	2198 9.3 103757.8 +1042.7	2286 9.5 111857.6 +1005.6
2019 9.4 92637.5 +1047.9	2109 9.5 95806.7 +1035.4	2199 8.8 103805.8 +1047.1	2287 9.3 111937.3 +1035.0
2020 9.5 92701.7 +1058.9	2110 9.5 95843.0 +1005.5	2200 8.8 103839.8 +1015.5	2288 8.6 112015.9 +1016.5
2021 8.3 92707.6 +1019.5	2111 9.5 95927.5 +1012.5	2201 9.5 103853.6 +1029.4	2289 9.5 112045.9 +1000.9
2022 9.3 92717.1 +1052.7	2112 5.0 100012.3 +1043.4	2202 9.5 103902.7 +1005.8	2290 9.5 112130.1 +1018.9
2023 9.2 92722.4 +1054.3	2113 9.5 100023.9 +1003.8	2203 9.3 103934.3 +1059.6	2291 8.3 112130.1 +1050.0
2024 9.3 92743.0 +1021.4	2114 9.5 100035.5 +1023.4	2204 9.0 103937.9 +1000.9	2292 9.5 112222.2 +1010.2
2025 8.8 92746.9 +1054.0	2115 9.5 100118.7 +1013.5	2205 9.2 104053.6 +1041.4	2293 9.5 112259.3 +1007.3
2026 8.5 92801.7 +1030.7	2116 7.5 100149.6 +1017.6	2206 9.2 104125.8 +1037.3	2294 9.0 112302.3 +1011.9
2027 9.5 92822.8 +1003.5	2117 9.5 100317.2 +1037.3	2207 9.0 104126.7 +1032.6	2295 8.7 112320.1 +1036.4
2028 9.5 92830.6 +1014.8	2118 9.5 100325.2 +1038.3	2208 7.6 104127.2 +1055.7	2296 9.3 112325.5 +1042.6
2029 9.2 92843.0 +1028.7	2119 9.1 100334.3 +1042.3	2209 9.3 104152.7 +1034.1	2297 8.5 112331.0 +1025.2
2030 8.6 92846.9 +1019.5	2120 8.8 100512.9 +1034.4	2210 8.8 104221.3 +1036.0	2298 9.5 112352.9 +1026.2
2031 9.4 92904.3 +1016.5	2121 9.5 100519.3 +1028.4	2211 9.5 104312.0 +1011.0	2299 9.5 112411.2 +1052.7
2032 9.5 92905.9 +1005.4	2122 9.3 100527.6 +1018.6	2212 8.2 104338.5 +1000.5	2300 9.0 112455.5 +1010.9
2033 9.3 93018.9 +1033.6	2123 9.5 100531.8 +1052.6	2213 9.5 104457.9 +1035.3	2301 9.2 112455.5 +1019.1
2034 9.1 93023.5 +1045.7	2124 9.2 100550.9 +1014.5	2214 9.1 104501.7 +1055.3	2302 8.5 112528.4 +1010.6
2035 9.4 93024.6 +1000.3	2125 9.5 100623.0 +1052.4	2215 9.5 104542.9 +1043.9	2303 8.9 112532.2 +1025.5

+10 2304 11h25m

+10 2663 14h10m

2304	9.5	112538.3	+1022.2	2394	8.7	120740.1	+1047.5	2484	9.2	124732.6	+1006.6	2574	9.5	133141.3	+1001.3
2305	9.3	112609.1	+1011.0	2395	9.5	120823.9	+1000.9	2485	9.9	124739.8	+1044.7	2575	8.4	133200.9	+1007.3
2306	9.4	112643.7	+1007.5	2396	8.9	120825.3	+1009.0	2486	9.3	124801.4	+1057.7	2576	9.5	133241.8	+1008.6
2307	9.5	112654.6	+1035.9	2397	9.1	120849.2	+1027.0	2487	8.2	124918.5	+1006.0	2577	9.5	133243.9	+1024.7
2308	9.3	112719.2	+1050.0	2398	9.5	120914.0	+1025.9	2488	9.3	125003.1	+1012.8	2578	9.5	133222.2	+1019.7
2309	9.5	112758.6	+1043.3	2399	9.5	120953.3	+1034.4	2489	9.2	125004.0	+1044.1	2579	9.2	133444.7	+1040.8
2310	8.6	112806.9	+1022.8	2400	9.5	121001.8	+1056.4	2490	7.8	125035.1	+1007.6	2580	9.4	133445.5	+1002.4
2311	9.5	112852.6	+1006.2	2401	9.3	121022.7	+1052.2	2491	9.1	125040.5	+1049.8	2581	9.5	133452.6	+1024.2
2312	9.2	112925.3	+1019.9	2402	9.0	121027.0	+1056.2	2492	8.8	125100.6	+1032.1	2582	9.5	133521.7	+1007.6
2313	9.5	112926.1	+1024.5	2403	9.4	121032.1	+1051.9	2493	9.5	125140.1	+1000.7	2583	9.0	133641.2	+1036.7
2314	9.3	112937.8	+1028.0	2404	8.5	121050.5	+1041.1	2494	9.0	125156.2	+1047.4	2584	9.3	133642.1	+1043.8
2315	9.5	113029.5	+1024.5	2405	8.7	121124.2	+1054.0	2495	9.3	125203.0	+1002.0	2585	9.5	133702.0	+1001.3
2316	9.5	113036.9	+1002.5	2406	8.6	121201.1	+1016.2	2496	7.3	125229.8	+1018.5	2586	9.5	133730.7	+1011.0
2317	9.5	113208.6	+1029.2	2407	8.9	121203.0	+1041.5	2497	9.5	125248.4	+1059.0	2587	9.5	133743.8	+1003.0
2318	9.3	113217.7	+1030.8	2408	8.5	121217.6	+1050.4	2498	9.5	125303.3	+1041.2	2588	9.5	133752.5	+1012.6
2319	9.5	113223.6	+1049.4	2409	9.5	121236.2	+1025.0	2499	9.5	125308.5	+1056.5	2589	9.5	133821.1	+1018.7
2320	9.3	113246.3	+1048.0	2410	7.9	121247.2	+1041.7	2500	9.2	125350.9	+1055.1	2590	9.3	133844.0	+1034.7
2321	9.1	113249.1	+1018.9	2411	9.1	121301.7	+1030.2	2501	8.7	125410.3	+1054.9	2591	9.3	133915.8	+1008.3
2322	9.2	113253.8	+1053.8	2412	9.4	121303.1	+1046.6	2502	9.5	125523.5	+1006.5	2592	9.5	134012.7	+1024.2
2323	9.0	113259.8	+1016.6	2413	9.0	121303.6	+1052.5	2503	9.4	125543.8	+1038.2	2593	8.7	134122.3	+1052.7
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2326	9.5	113341.6	+1047.6	2416	8.4	121452.1	+1038.7	2506	8.9	125616.8	+1014.6	2596	8.7	134151.0	+1048.8
2327	9.3	113410.7	+1031.1	2417	8.5	121459.6	+1044.5	2507	9.5	125652.2	+1028.8	2597	9.3	134154.2	+1019.5
2328	8.9	113426.5	+1037.4	2418	8.8	121454.2	+1018.4	2508	9.5	125654.3	+1018.3	2598	9.5	134256.7	+1023.8
2329	9.5	113507.6	+1052.9	2419	9.5	121654.5	+1006.7	2509	8.3	125728.9	+1013.5	2599	9.5	134301.6	+1006.6
2330	9.5	113602.7	+1044.0	2420	9.5	121657.0	+1002.7	2510	9.5	125739.9	+1042.4	2600	7.0	134443.5	+1051.5
2331	8.7	113650.2	+1053.8	2421	7.9	121811.3	+1033.7	2511	9.7	130000.5	+1026.5	2601	9.5	134607.6	+1006.6
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2333	9.5	113832.8	+1023.5	2423	9.5	121951.1	+1050.2	2513	8.6	130109.9	+1024.2	2603	8.2	134647.8	+1050.3
2334	9.0	113941.9	+1015.8	2424	9.5	121956.5	+1046.2	2514	9.3	130111.3	+1012.5	2604	8.2	134648.5	+1057.7
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2336	9.5	113959.1	+1028.5	2426	9.3	122018.8	+1009.1	2516	6.7	130157.4	+1048.4	2606	9.3	134819.0	+1013.9
2337	9.5	114041.4	+1009.8	2427	9.2	122036.0	+1009.6	2517	9.5	130200.7	+1036.1	2607	9.3	134823.1	+1012.2
2338	9.2	114049.0	+1047.3	2428	9.0	122044.0	+1008.6	2518	8.9	130258.5	+1018.8	2608	9.3	134918.4	+1023.1
2339	9.3	114057.7	+1002.7	2429	9.5	122132.4	+1046.6	2519	8.5	130411.4	+1023.6	2609	9.5	135005.0	+1017.2
2340	9.2	114203.9	+1013.3	2430	9.4	122249.7	+1055.0	2520	9.1	130438.5	+1016.4	2610	8.3	135112.6	+1050.8
2341	8.2	114254.1	+1052.1	2431	9.5	122302.2	+1051.2	2521	9.5	130502.1	+1005.6	2611	8.7	135131.2	+1000.8
2342	8.2	114301.2	+1036.0	2432	8.0	122313.3	+1032.0	2522	9.5	130631.5	+1053.8	2612	8.7	135156.1	+1013.6
2343	8.5	114312.8	+1019.1	2433	9.2	122316.3	+1007.3	2523	8.6	130648.4	+1032.4	2613	9.3	135200.8	+1028.0
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2345	8.8	114434.7	+1001.1	2435	8.9	122344.1	+1013.0	2525	9.4	130657.0	+1019.3	2615	9.2	135257.5	+1005.7
2346	9.5	114444.9	+1041.4	2436	9.5	122444.4	+1008.3	2526	9.5	130700.4	+1043.4	2616	7.1	135417.6	+1000.4
2347	7.9	114457.5	+1044.7	2437	9.4	122521.5	+1027.9	2527	9.5	130714.3	+1007.2	2617	6.6	135426.0	+1023.8
2348	9.3	114525.5	+1046.1	2438	9.0	122607.7	+1059.6	2528	9.5	130733.2	+1030.6	2618	8.6	135612.4	+1015.4
2349	9.5	114559.4	+1054.5	2439	9.5	122625.7	+1025.3	2529	9.5	130804.4	+1013.9	2619	9.2	135618.5	+1005.0
2350	9.8	114559.4	+1007.7	2440	9.3	122629.4	+1020.0	2530	9.0	130847.0	+1026.3	2620	9.5	135655.5	+1048.3
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2352	6.0	114642.9	+1043.3	2442	9.4	122718.0	+1028.4	2532	9.1	130956.8	+1036.0	2622	9.5	135721.0	+1033.9
2353	7.7	114656.8	+1051.4	2443	9.5	122732.6	+1043.0	2533	9.5	131122.9	+1058.5	2623	9.5	135729.7	+1027.6
2354	9.3	114712.8	+1032.5	2444	9.2	122811.8	+1027.5	2534	8.9	131135.0	+1036.5	2624	8.8	135752.7	+1012.0
2355	9.5	114754.6	+1004.2	2445	9.5	122825.3	+1058.5	2535	8.6	131159.1	+1013.4	2625	8.6	135757.7	+1042.4
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2357	8.5	114829.5	+1038.8	2447	9.1	122852.5	+1023.2	2537	8.6	131252.3	+1045.4	2627	9.4	135833.5	+1010.6
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2367	9.5	115205.2	+1057.3	2457	9.5	123238.5	+1050.9	2547	9.5	132024.9	+1000.4	2637	8.0	140229.7	+1056.6
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3023	8.8	162607.6	+1045.7	3113	9.4	165306.4	+1015.4	3202	9.4	171609.2	+1058.1	3292	9.5	173946.2	+1025.3
3024	9.3	162610.7	+1046.1	3114	7.7	165308.1	+1000.7	3203	9.2	171747.4	+1016.3	3293	9.4	173955.4	+1052.1
3025	7.0	162642.4	+1040.7	3115	8.5	165318.9	+1003.2	3204	9.4	171753.8	+1055.5	3294	8.9	173957.6	+1008.6
3026	9.3	162650.8	+1024.2	3116	9.4	165407.0	+1027.6	3205	9.5	171754.3	+1059.3	3295	8.7	173959.1	+1011.1
3027	9.2	162703.9	+1036.1	3117	9.2	165407.8	+1040.2	3206	9.5	171806.9	+1024.7	3296	8.7	174001.0	+1051.1
3028	9.3	162804.5	+1046.4	3118	9.4	165417.6	+1030.0	3207	9.4	171823.1	+1038.7	3297	9.5	174012.5	+1001.9
3029	9.4	162813.5	+1009.8	3119	9.5	165422.7	+1025.0	3208	9.3	171847.7	+1046.3	3298	9.5	174016.1	+1033.4
3030	9.5	162815.4	+1000.5	3120	9.5	165427.0	+1000.7	3209	9.1	171934.6	+1046.3	3299	9.3	174040.5	+1026.9
3031	9.5	162828.4	+1035.1	3121	9.5	165436.5	+1009.9	3210	9.5	172015.4	+1052.2	3300	9.5	174049.6	+1040.2
3032	9.5	162848.1	+1014.3	3122	9.3	165441.8	+1001.7	3211	9.5	172025.7	+1025.7	3301	9.5	174117.4	+1043.9
3033	9.5	162904.2	+1014.7	3123	9.3	165512.6	+1023.0	3212	8.3	172039.3	+1045.7	3302	9.5	174117.8	+1007.1
3034	8.7	162907.1	+1052.3	3124	9.5	165528.7	+1009.4	3213	9.5	172146.2	+1012.4	3303	9.5	174130.2	+1059.3
3035	9.5	162922.3	+1008.6	3125	9.5	165529.8	+1043.6	3214	9.3	172151.4	+1029.6	3304	9.5	174141.6	+1033.3
3036	9.3	162939.9	+1027.2	3126	7.2	165539.4	+1002.1	3215	9.0	172153.0	+1036.7	3305	8.6	174233.2	+1022.8
3037	9.4	163001.1	+1039.8	3127	8.2	165547.5	+1045.1	3216	7.2	172157.5	+1039.8	3306	9.3	174254.5	+1055.4
3038	9.5	163124.1	+1046.7	3128	9.5	165607.6	+1013.3	3217	9.3	172229.3	+1011.8	3307	9.3	174305.5	+1059.9
3039	9.0	163147.5	+1016.0	3129	9.4	165620.1	+1019.6	3218	9.1	172232.1	+1026.9	3308	9.3	174408.0	+1010.8
3040	9.3	163203.8	+1030.2	3130	9.5	165645.6	+1000.2	3219	8.5	172251.1	+1028.9	3309	9.0	174423.2	+1038.9
3041	9.5	163206.0	+1050.1	3131	9.4	165647.2	+1059.1	3220	9.0	172308.4	+1014.7	3310	9.5	174457.6	+1033.2
3042	9.4	163222.8	+1034.3	3132	9.5	165655.1	+1000.2	3221	8.9	172318.9	+1026.9	3311	9.1	174533.1	+1004.1
3043	8.5	163239.7	+1034.6	3133	9.4	165703.6	+1015.3	3222	7.5	172333.1	+1053.1	3312	9.0	174613.3	+1033.0
3044	9.5	163313.8	+1029.1	3134	9.5	165721.5	+1053.0	3223	9.5	172352.8	+1038.4	3313	9.3	174630.7	+1041.6
3045	9.2	163317.6	+1007.5	3135	9.0	165728.4	+1044.6	3224	9.5	172415.0	+1056.9	3314	9.0	174633.2	+1056.6
3046	9.5	163332.8	+1037.4	3136	9.5	165733.3	+1039.1	3225	9.2	172416.7	+1033.2	3315	8.5	174635.6	+1059.6
3047	9.4	163335.1	+1025.7	3137	8.9	165758.7	+1026.8	3226	9.4	172417.0	+1040.9	3316	9.5	174650.4	+1037.1
3048	9.5	163352.1	+1031.1	3138	9.4	165811.2	+1056.6	3227	9.2	172421.8	+1033.4	3317	9.3	174656.9	+1049.1
3049	9.4	163424.3	+1053.8	3139	9.4	165829.5	+1030.0	3228	8.7	172443.3	+1034.3	3318	9.3	174704.0	+1047.7
3050	9.5	163440.6	+1006.3	3140	8.2	165842.7	+1044.4	3229	8.7	172458.0	+1046.8	3319	9.4	174708.2	+1050.4
3051	9.3	163444.8	+1030.1	3141	9.5	165843.0	+1025.3	3230	9.4	172513.2	+1029.6	3320	9.5	174729.3	+1003.6
3052	9.5	163559.7	+1012.5	3142	6.8	165922.1	+1039.2	3231	8.1	172515.6	+1030.0	3321	9.3	174747.6	+1014.1
3053	9.5	163615.2	+1052.0	3143	9.3	165958.4	+1014.5	3232	9.5	172518.2	+1032.6	3322	9.5	174758.2	+1058.7
3054	9.5	163628.8	+1029.8	3144	9.2	170109.2	+1045.7	3233	9.5	172521.9	+1012.1	3323	9.0	174801.1	+1045.4
3055	8.5	163644.3	+1045.0	3145	8.5	170111.4	+1030.3	3234	9.1	172539.1	+1031.2	3324	9.1	174805.0	+1010.3
3056	9.5	163657.8	+1035.8	3146	9.5	170137.4	+1012.1	3235	9.5	172543.9	+1007.3	3325	9.3	174810.3	+1045.3
3057	9.3	163745.0	+1025.7	3147	9.4	170143.0	+1001.9	3236	9.5	172548.3	+1026.1	3326	9.0	174814.0	+1036.7
3058	8.1	163758.1	+1013.6	3148	9.4	170149.5	+1017.3	3237	9.5	172610.2	+1027.6	3327	9.2	174822.1	+1034.4
3059	9.2	163810.4	+1050.0	3149	9.5	170201.0	+1020.5	3238	8.9	172611.0	+1001.8	3328	9.5	174828.1	+1014.1
3060	9.5	163833.1	+1026.7	3150	9.0	170210.9	+1022.6	3239	8.2	172624.4	+1042.8	3329	8.6	174849.0	+1041.8
3061	9.5	163834.0	+1007.8	3151	9.1	170213.5	+1029.2	3240	8.7	172634.1	+1059.9	3330	9.5	174909.4	+1009.2
3062	9.5	163907.8	+1045.8	3152	8.7	170243.9	+1026.0	3241	9.4	172658.8	+1049.9	3331	9.5	174949.3	+1030.4
3063	9.3	163936.7	+1044.9	3153	7.5	170249.9	+1013.7	3242	9.4	172701.2	+1057.2	3332	9.0	174950.3	+1025.6
3064	9.2	163937.9	+1048.6	3154	9.5	170311.7	+1003.9	3243	9.5	172733.7	+1010.5	3333	9.5	175006.7	+1032.2
3065	9.0	163946.0	+1004.9	3155	9.3	170316.2	+1023.3	3244	9.5	172742.4	+1054.7	3334	9.1	175013.4	+1045.3
3066	9.5	163947.3	+1009.8	3156	9.5	170329.1	+1036.7	3245	9.5	172755.7	+1009.1	3335	9.5	175017.5	+1002.2
3067	9.5	164006.9	+1050.5	3157	9.2	170343.6	+1046.0	3246	8.5	172801.1	+1021.8	3336	9.4	175034.3	+1016.4
3068	9.5	164017.1	+1033.7	3158	9.2	170351.2	+1050.9	3247	9.1	172814.5	+1001.1	3337	8.1	175039.6	+1058.4
3069	9.1	164024.8	+1036.0	3159	9.5	170355.4	+1023.3	3248	9.3	172919.8	+1023.1	3338	9.3	175040.4	+1012.7
3070	9.5	164034.6	+1053.2	3160	9.4	170356.6	+1015.4	3249	9.0	172931.7	+1005.3	3339	9.5	175106.9	+1009.6
3071	9.1	164052.9	+1042.7	3160a	9.6	170358.5	+1002.9	3250	8.0	173002.5	+1040.4	3340	9.1	175121.6	+1057.1
3072	9.4	164124.0	+1032.0	3161	9.3	170358.3	+1049.0	3251	8.2	173004.1	+1008.2	3341	7.8	175124.6	+1012.1
3073	8.5	164126.8	+1040.0	3162	9.1	17046.5	+1037.9	3252	9.2	173014.0	+1001.1	3342	8.8	175147.3	+1055.4
3074	9.0	164130.9	+1017.7	3163	9.5	17051.7	+1054.6	3253	9.5	173053.4	+1013.7	3343	9.1	175215.7	+1025.2
3075	8.1	164137.5	+1000.9	3164	9.4	17051.7	+1044.4	3254	8.8	173106.8	+1019.6	3344	9.5	175231.7	+1004.8
3076	9.5	164149.4	+1051.6	3165	5.8	17057.6	+1046.6	3255	9.5	173111.3	+1028.0	3345	9.5	175235.3	+1072.7
3077	9.4	164154.5	+1029.0	3166	9.4	170546.0	+1035.3	3256	9.5	173120.0	+1035.0	3346	9.3	175236.3	+1057.0
3078	9.0	164157.5	+1012.5	3167	9.3	170749.9	+1050.3	3257	8.7	173140.8	+1015.6	3347	8.9	175248.6	+1016.2
3079	9.4	164203.2	+1021.8	3168	9.5	170752.3	+1002.2	3258	9.5	173143.7	+1032.3	3348	9.5	175300.3	+1030.7
3080	9.0	164248.9	+1055.7	3169	8.7	170758.1	+1009.5	3259	9.3	173150.5	+1012.0	3349	9.4	175301.5	+1047.6
3081	9.0	164312.5	+1021.6	3170	9.0	170759.0	+1053.6	3260	8.7	173155.1	+1047.5	3350	9.3	175308.7	+1056.6
3082	9.5	164352.1	+1045.4	3171	9.2	170828.0	+1002.7	3261	9.4	173254.8	+1011.0	3351	8.7	175323.3	+1031.4
3083	7.3	164410.2	+1007.7	3172	9.2	170853.6	+1006.0	3262	9.5	173306.5	+1003.3	3352	9.5	175341.0	+1035.5
3084	9.2	164505.1	+1019.2	3173	9.5	170938.5	+1022.4	3263	9.4	173313.3	+1044.0	3353	9.5	175343.7	+1009.6
3085	8.7	164508.7	+1038.1	3174	8.6	170942.9	+1034.3	3264	9.5	173318.8	+1057.6	3354	9.5	175348.2	+1033.5
3086	9.0	164544.1	+1042.2	3175	8.5	170954.5	+1021.1	3265	9.5	173407.8	+1037.4	3355	8.5	175359.7	+1029.3
3087	9.5	164548.3	+1012.2	3176	9.2	171041.1	+1037.6	3266	9.5	173414.0	+1038.8	3356	9.2	175408.0	+1026.2
3088	9.4	164648.2	+1026.3	3177	8.5	171044.5	+1035.8	3267	9.0	173455.7	+1044.4	3357	9.4	175408.7	+1034.9
3089	9.4	164654.9	+1052.0	3178	9.4	171045.7	+1045.6	3268	9.0	173459.1	+1039.2	3358	9.4	175415.4	+1001.3
3090	9.5	164658.1	+1058.2	3179	9.2	171047.4	+1050.9	3269	8.2	173510.5	+1043.0	3359	9.5	175438.0	+1003.0
3091	9.5	164706.6	+1054.3	3180	9.2	171049.4	+1053.4	3270	9.1	173527.3	+1030.3	3360	9.3	175441.3	+1016.5
3092	4.1	164708.6	+1024.8	3181	9.1	171050.3	+1040.0	3271	9.5	173601.4	+1009.1	3361	9.5	175444.1	+1045.2
3093	9.3	164720.4	+1000.3	3182	9.5	171050.3	+1040.8	3272	8.5	173617.0	+1025.9	3362	9.5	175445.8	+1052.8
3094	9.5	164746.7	+1003.4	3183	9.5	171115.8	+1000.2	3273	8.9	173629.6	+1053.0	3363	9.5	175505.3	+1031.4
3095	8.5	164													

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3743	9.5	185051.7	+1041.5	3833	9.3	190652.5	+1044.2	3923	9.5	192307.5	+1004.2	4013	9.0	193313.8	+1057.3
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3745	9.5	185111.0	+1014.4	3835	7.9	190711.5	+1023.7	3925	9.5	192319.7	+1005.8	4015	9.5	193327.1	+1047.1
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3774	8.7	185718.9	+1053.8	3864	8.4	191321.3	+1010.5	3954	9.3	192632.3	+1006.8	4044	9.5	193932.5	+1059.0
3775	9.3	185722.9	+1001.4	3865	9.0	191321.7	+1025.4	3955	9.5	192640.1	+1016.1	4045	9.0	193941.5	+1003.0
3776	9.4	185743.4	+1013.8	3866	8.0	191351.2	+1023.3	3956	9.5	192648.2	+1054.5	4046	8.5	193942.0	+1006.8
3777	9.5	185748.2	+1042.9	3867	8.7	191359.1	+1039.4	3957	9.4	192649.7	+1015.8	4047	8.3	193944.0	+1008.2
3778	9.5	185755.6	+1056.7	3868	9.5	191413.2	+1023.3	3958	9.5	192701.5	+1028.2	4048	9.0	193947.4	+1043.2
3779	9.5	185806.8	+1053.0	3869	8.9	191442.8	+1033.6	3959	9.4	192708.0	+1059.3	4049	9.5	194009.3	+1059.7
3780	9.1	185809.5	+1035.0	3870	8.5	191445.6	+1010.9	3960	9.5	192716.5	+1026.7	4050	9.4	194035.8	+1052.8
3781	9.5	185815.5	+1030.4	3871	9.4	191446.6	+1032.3	3961	9.2	192723.3	+1052.5	4051	9.5	194036.2	+1003.3
3782	9.0	185818.5	+1012.2	3872	9.5	191449.0	+1029.2	3962	9.1	192725.2	+1007.1	4052	9.5	194047.5	+1002.1
3783	8.7	185823.2	+1036.5	3873	7.3	191502.0	+1038.7	3963	9.2	192731.1	+1027.1	4053	9.5	194054.6	+1022.3
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3785	8.8	185932.6	+1007.7	3875	9.5	191513.9	+1008.4	3965	8.0	192739.1	+1057.0	4055	9.5	194105.2	+1056.8
3786	9.5	190003.0	+1005.9	3876	8.8	191519.5	+1006.7	3966	8.8	192740.9	+1003.3	4056	9.0	194109.9	+1039.4
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3792	9.5	190116.2	+1018.2	3882	9.4	191724.9	+1047.9	3972	9.5	192820.9	+1000.3	4062	8.8	194212.4	+1042.0
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4424 9.5 205114.9 +1015.0
4425 5.2 205127.9 +1018.6
4426 9.5 205131.0 +1015.0
4427 9.3 205158.2 +1047.1
4428 9.2 205211.7 +1059.2
4429 9.5 205244.5 +1014.5
4430 9.3 205246.8 +1046.1

4431 9.5 205248.4 +1059.4
4432 9.4 205306.5 +1040.9
4433 9.4 205314.5 +1046.6
4434 9.5 205321.2 +1050.0
4435 9.5 205324.5 +1004.7
4436 9.5 205334.8 +1005.1
4437 9.3 205346.0 +1005.0
4438 9.5 205405.0 +1006.0
4439 9.5 205407.3 +1046.8
4440 8.5 205427.8 +1010.4

4441 9.5 205442.3 +1016.3
4442 9.1 205449.2 +1003.4
4443 8.9 205448.6 +1059.6
4444 9.2 205508.2 +1002.6
4445 9.0 205524.2 +1002.8
4446 9.3 205531.0 +1027.0
4447 9.3 205539.0 +1034.6
4448 9.4 205545.3 +1041.2
4449 8.0 205549.0 +1042.3
4450 9.4 205552.1 +1009.0

4451 9.3 205558.7 +1011.8
4452 9.5 205653.2 +1008.7
4453 9.1 205654.2 +1024.2
4454 9.5 205656.2 +1043.0
4455 9.5 205701.9 +1005.7
4456 9.5 205714.1 +1007.3
4457 9.5 205831.2 +1043.0
4458 9.5 205832.2 +1015.3
4459 9.5 205842.1 +1056.4
4460 9.5 205902.8 +1040.9

+10 4460 20h59m

+10 4461 20h59m

+10 4819 22h39m

4461 9.3 205910.4 +1056.1	4550 9.5 212101.9 +1053.7	4640 8.7 214324.5 +1015.7	4730 9.5 221240.5 +1040.0
4462 8.8 205925.2 +1012.3	4551 9.3 212119.6 +1009.7	4641 9.5 214333.0 +1003.0	4731 7.8 221312.2 +1019.7
4463 9.4 205931.7 +1039.5	4552 9.5 212128.8 +1059.7	4642 9.5 214400.3 +1051.8	4732 8.9 221313.1 +1006.4
4464 9.5 210013.9 +1031.5	4553 9.5 212135.1 +1006.7	4643 8.4 214412.0 +1013.3	4733 9.4 221334.9 +1016.0
4465 9.5 210016.6 +1054.5	4554 6.5 212150.2 +1028.8	4644 9.5 214414.6 +1055.8	4734 9.2 221357.2 +1029.4
4466 9.5 210047.1 +1024.9	4555 9.3 212200.0 +1023.0	4645 7.0 214446.9 +1026.4	4735 8.7 221401.8 +1009.6
4467 9.5 210131.0 +1040.3	4556 9.2 212213.1 +1035.5	4646 9.5 214500.0 +1040.8	4736 8.6 221423.4 +1030.8
4468 9.1 210138.6 +1021.9	4557 9.4 212228.6 +1037.5	4647 9.5 214524.5 +1032.8	4737 8.5 221425.5 +1052.5
4469 9.2 210218.6 +1053.3	4558 9.3 212320.0 +1035.3	4648 9.5 214534.0 +1032.0	4738 9.3 221430.9 +1041.1
4470 9.5 210220.0 +1058.4	4559 9.5 212324.1 +1035.7	4649 9.5 214548.4 +1025.5	4739 8.6 221507.6 +1021.1
4471 9.4 210232.0 +1038.1	4560 8.5 212326.3 +1015.6	4650 9.4 214614.1 +1050.6	4740 8.7 221525.2 +1049.4
4472 9.5 210238.9 +1011.8	4561 8.4 212351.3 +1040.2	4651 8.1 214621.5 +1056.4	4741 9.1 221624.4 +1037.6
4473 9.2 210243.2 +1019.4	4562 8.0 212359.7 +1044.7	4652 9.5 214644.4 +1045.4	4742 9.2 221630.9 +1001.2
4474 9.0 210250.9 +1033.8	4563 8.9 212400.2 +1051.7	4653 8.8 214704.4 +1036.3	4743 8.5 221631.9 +1023.4
4475 9.5 210251.2 +1053.4	4564 9.2 212419.3 +1046.7	4654 9.1 214716.8 +1006.2	4744 8.3 221810.9 +1048.0
4476 8.1 210258.9 +1031.2	4565 9.1 212425.9 +1032.3	4655 8.6 214735.5 +1015.1	4745 9.4 221836.7 +1004.5
4477 9.4 210305.6 +1013.9	4566 9.3 212429.6 +1047.8	4656 8.7 214737.9 +1005.6	4746 9.5 221847.8 +1031.8
4478 8.5 210312.4 +1008.7	4567 9.5 212454.6 +1012.5	4657 8.5 214820.2 +1026.6	4747 9.1 221856.7 +1012.8
4479 9.4 210315.6 +1030.9	4568 9.4 212500.3 +1029.8	4658 9.5 214824.5 +1050.0	4748 9.2 221903.2 +1013.0
4480 9.4 210505.3 +1005.0	4569 9.5 212502.0 +1028.5	4659 8.5 214827.0 +1013.7	4749 9.3 221907.9 +1057.5
4481 8.6 210505.9 +1002.4	4570 7.0 212509.2 +1016.3	4660 9.5 214855.8 +1050.3	4750 9.1 221911.0 +1014.2
4482 9.0 210521.2 +1027.8	4571 9.5 212531.0 +1048.0	4661 8.5 215004.4 +1006.2	4751 8.3 221912.3 +1002.3
4483 9.5 210532.0 +1013.5	4572 9.5 212554.0 +1054.8	4662 8.9 215004.4 +1046.2	4752 8.5 221916.2 +1039.2
4484 8.6 210535.6 +1004.9	4573 8.8 212604.3 +1004.5	4663 9.5 215018.1 +1047.0	4753 8.6 221916.8 +1050.8
4485 9.3 210544.0 +1013.5	4574 9.3 212611.0 +1051.0	4664 9.5 215046.4 +1001.4	4754 8.4 221958.7 +1032.2
4486 9.5 210618.0 +1012.2	4575 8.7 212640.9 +1015.6	4665 9.2 215116.7 +1001.1	4755 9.3 222010.9 +1033.8
4487 8.0 210620.8 +1036.5	4576 8.0 212650.4 +1003.6	4666 9.0 215142.9 +1018.6	4756 9.1 222014.7 +1023.7
4488 8.5 210626.9 +1050.0	4577 9.5 212707.9 +1012.9	4667 9.5 215144.4 +1040.0	4757 9.5 222032.9 +1007.0
4489 9.4 210644.2 +1037.1	4578 9.5 212717.9 +1058.6	4668 9.5 215202.9 +1030.0	4758 9.5 222126.4 +1041.8
4490 8.9 210647.5 +1009.1	4579 8.2 212720.8 +1047.9	4669 9.0 215213.3 +1036.6	4759 9.3 222149.2 +1040.5
4491 8.8 210654.7 +1029.4	4580 8.0 212729.3 +1016.7	4670 9.5 215304.0 +1032.2	4760 9.0 222229.4 +1030.4
4492 8.7 210712.0 +1035.4	4581 9.4 212803.3 +1032.6	4671 9.3 215343.3 +1043.5	4761 9.1 222322.4 +1050.5
4493 9.4 210747.2 +1054.3	4582 9.4 212814.4 +1056.3	4672 9.3 215348.9 +1012.9	4762 9.2 222335.8 +1009.0
4494 9.0 210823.4 +1026.4	4583 9.4 212846.7 +1009.9	4673 9.2 215411.7 +1041.2	4763 9.5 222331.2 +1002.1
4495 9.3 210825.7 +1047.1	4584 9.5 212905.6 +1050.0	4674 9.4 215413.4 +1013.9	4764 8.6 222327.4 +1026.4
4496 8.0 210837.3 +1011.8	4585 9.4 212906.5 +1000.8	4675 9.0 215444.2 +1043.5	4765 9.5 222351.1 +1005.7
4497 9.4 210842.0 +1035.5	4586 9.3 212918.6 +1050.4	4676 6.5 215455.5 +1016.1	4766 8.7 222356.5 +1023.9
4498 7.5 210851.5 +1054.0	4587 8.5 212924.2 +1053.4	4677 9.0 215456.0 +1027.0	4767 9.5 222430.6 +1015.0
4499 7.5 210901.2 +1006.1	4588 9.0 213030.3 +1043.0	4678 8.5 215500.1 +1053.7	4768 9.5 222430.8 +1055.0
4500 8.0 210907.2 +1021.1	4589 8.2 213032.2 +1033.3	4679 8.5 215521.4 +1039.4	4769 7.8 222433.2 +1002.1
4501 9.2 210919.6 +1059.5	4590 8.9 213047.7 +1057.5	4680 9.5 215559.9 +1006.4	4770 9.2 222457.5 +1006.4
4502 9.5 210943.9 +1011.2	4591 9.5 213106.6 +1044.8	4681 6.2 215613.3 +1042.1	4771 9.3 222550.2 +1020.7
4503 8.9 211008.6 +1032.3	4592 9.3 213109.3 +1034.7	4682 9.2 215652.7 +1002.7	4772 9.5 222558.4 +1049.5
4504 8.3 211012.0 +1057.4	4593 9.3 213114.2 +1036.1	4683 9.5 215659.4 +1054.7	4773 9.5 222632.4 +1057.8
4505 9.5 211014.0 +1019.5	4594 9.5 213135.4 +1008.7	4684 9.1 215700.7 +1033.9	4774 8.7 222649.5 +1033.6
4506 9.1 211022.2 +1007.4	4595 8.1 213202.4 +1059.2	4685 9.5 215719.9 +1031.4	4775 9.5 222708.0 +1040.0
4507 9.5 211043.5 +1027.0	4596 9.4 213214.0 +1016.7	4686 8.6 215726.4 +1004.3	4776 9.4 222709.5 +1030.8
4508 9.1 211052.2 +1037.4	4597 9.0 213247.2 +1021.4	4687 9.5 215731.5 +1018.5	4777 9.5 222727.5 +1037.5
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4510 9.5 211119.4 +1017.7	4599 9.0 213358.3 +1037.4	4689 9.5 215741.4 +1028.2	4779 9.5 222849.5 +1026.9
4511 9.1 211119.6 +1012.9	4600 8.5 213409.4 +1059.8	4690 9.2 215745.6 +1021.6	4780 9.5 222904.4 +1009.8
4512 9.0 211126.0 +1003.3	4601 9.2 213421.7 +1003.3	4691 9.4 215758.4 +1021.3	4781 7.2 222926.2 +1057.7
4513 9.4 211134.0 +1039.4	4602 9.2 213515.0 +1036.5	4692 8.9 215823.9 +1019.9	4782 8.8 222942.5 +1039.2
4514 7.0 211135.9 +1057.9	4603 8.5 213520.5 +1051.3	4693 9.3 215841.9 +1038.7	4783 9.5 222946.9 +1026.8
4515 9.5 211146.9 +1055.8	4604 6.3 213529.2 +1011.0	4694 9.5 215900.7 +1038.4	4784 9.2 222956.5 +1019.9
4516 6.3 211152.2 +1036.1	4605 9.4 213559.6 +1054.4	4695 9.3 215958.0 +1016.4	4785 9.5 223038.0 +1020.3
4517 9.5 211213.5 +1000.5	4606 8.8 213606.6 +1027.8	4696 7.6 220031.3 +1003.9	4786 9.2 223043.2 +1045.2
4518 9.5 211221.2 +1024.3	4607 9.1 213616.6 +1024.2	4697 9.5 220119.9 +1025.5	4787 9.3 223044.5 +1021.4
4519 9.4 211225.6 +1034.5	4608 8.0 213642.8 +1027.1	4698 9.5 220152.6 +1005.1	4788 9.2 223115.9 +1047.0
4520 9.5 211230.1 +1036.8	4609 9.0 213650.6 +1023.0	4699 9.3 220301.7 +1023.4	4789 9.5 223119.6 +1000.4
4521 9.3 211242.6 +1008.0	4610 9.5 213701.0 +1023.0	4700 9.5 220325.6 +1003.3	4790 9.3 223203.8 +1027.3
4522 9.0 211253.6 +1057.2	4611 9.5 213711.7 +1019.7	4701 6.0 220331.9 +1054.7	4791 9.3 223222.5 +1035.8
4523 9.1 211301.0 +1002.4	4612 9.5 213716.8 +1041.0	4702 9.4 220350.8 +1003.6	4792 9.2 223246.7 +1031.8
4524 9.4 211316.4 +1007.0	4613 9.5 213719.7 +1051.7	4703 9.5 220351.4 +1012.6	4793 9.2 223305.0 +1007.9
4525 9.7 211323.8 +1037.4	4614 9.4 213726.5 +1047.7	4704 9.5 220513.5 +1029.1	4794 9.5 223346.0 +1029.0
4526 9.0 211329.7 +1058.8	4615 9.5 213728.7 +1054.8	4705 9.5 220523.9 +1059.7	4795 9.2 223357.5 +1052.9
4527 9.4 211334.7 +1056.1	4616 9.5 213754.1 +1041.2	4706 9.0 220531.5 +1051.2	4796 9.2 223413.0 +1045.4
4528 9.5 211336.9 +1037.2	4617 9.3 213757.8 +1005.3	4707 9.0 220543.4 +1040.7	4797 3.5 223416.7 +1005.3
4529 9.5 211338.6 +1047.5	4618 8.9 213811.0 +1040.1	4708 8.2 220609.3 +1009.4	4798 8.8 223425.0 +1043.3
4530 9.2 211342.4 +1030.2	4619 9.4 213831.8 +1023.1	4709 9.2 220616.7 +1004.3	4799 9.3 223451.7 +1012.8
4531 9.5 211404.6 +1026.4	4620 9.2 213846.2 +1033.3	4710 9.0 220646.9 +1013.7	4800 7.8 223456.2 +1019.9
4532 9.0 211450.6 +1013.5	4621 9.4 213852.5 +1020.3	4711 9.3 220701.2 +1017.4	4801 9.5 223501.8 +1031.1
4533 9.5 211505.9 +1018.5	4622 9.3 213854.0 +1012.7	4712 9.5 220729.9 +1015.3	4802 9.5 223513.6 +1004.6
4534 9.2 211523.8 +1021.5	4623 9.5 213930.0 +1051.3	4713 9.5 220735.7 +1054.6	4803 9.0 223533.9 +1007.7
4535 9.5 211527.0 +1015.4	4624 9.5 213941.2 +1007.4	4714 9.2 220741.9 +1055.4	4804 9.3 223535.6 +1014.6
4536 8.9 211527.5 +1057.0	4625 9.3 213941.2 +1042.7	4715 8.7 220755.4 +1019.0	4805 7.3 223630.9 +1012.3
4537 9.5 211539.3 +1039.5	4626 8.3 214014.5 +1026.1	4716 9.2 220805.3 +1006.7	4806 9.5 223646.5 +1050.6
4538 9.5 211562.2 +1004.4	4627 9.5 214021.3 +1005.5	4717 9.1 220812.3 +1008.3	4807 9.5 223649.0 +1055.8
4539 9.5 211738.0 +1038.9	4628 9.4 214103.5 +1032.2	4718 9.1 220859.7 +1034.0	4808 9.5 223657.4 +1014.0
4540 9.5 211738.1 +1003.4	4629 9.3 214106.8 +1039.6	4719 9.2 220913.6 +1002.4	4809 9.5 223736.5 +1034.5
4541 9.5 211738.9 +1016.6	4630 9.3 214109.0 +1050.3	4720 9.5 220937.5 +1051.4	4810 9.0 223743.2 +1019.0
4542 8.3 211748.2 +1001.1	4631 9.3 214109.3 +1040.6	4721 9.3 220959.0 +1028.2	4811 7.9 223758.3 +1055.8
4543 9.0 211829.2 +1028.0	4632 8.5 214110.2 +1030.9	4722 9.4 221008.5 +1051.4	4812 9.1 223813.2 +1025.9
4544 9.4 211841.5 +1005.0	4633 9.4 214116.1 +1036.7	4723 9.4 221048.4 +1038.5	4813 9.5 223815.5 +1057.4
4545 9.3 211904.5 +1030.9	4634 9.2 214123.6 +1054.9	4724 9.3 221106.7 +1059.2	4814 9.5 223819.0 +1059.7
4546 9.5 211912.6 +1022.6	4635 9.3 214134.0 +1018.7	4725 9.3 221134.0 +1033.8	4815 7.7 223841.4 +1026.4
4547 7.3 211952.9 +1003.1	4636 9.4 214143.1 +1003.0	4726 8.7 221135.2 +1043.0	4816 9.5 223853.5 +1045.0
4548 9.4 211956.2 +1033.3	4637 9.0 214235.6 +1002.6	4727 9.5 221146.0 +1035.9	4817 9.3 223856.4 +1054.0
4549 8.5 212001.6 +1019.5	4638 8.1 214258.7 +1008.0	4728 9.5 221155.7 +1043.3	4818 9.2 223905.1 +1059.1
	4639 9.4 214304.0 +1013.3	4729 9.4 221222.1 +1052.3	4819 9.0 223913.7 +1058.0

*10 4820 22h39m

*09 153 1h13m

4820 9.5 225934.5 +1047.8	4910 9.4 231015.4 +1014.0	5000 9.3 234249.0 +1037.1	64 9.5 02723.7 +0929.1
4821 8.9 225946.7 +1031.5	4911 9.4 231027.3 +1057.4	5001 9.4 234328.4 +1652.6	65 9.5 02756.4 +0918.7
4822 9.5 225949.2 +1012.7	4912 9.5 231035.0 +1011.0	5002 9.4 234352.5 +1056.4	66 9.4 02756.6 +0941.3
4823 9.4 224001.9 +1056.6	4913 8.8 231154.3 +1040.2	5003 9.5 234425.8 +1028.8	67 9.4 02801.0 +0920.8
4824 8.9 224005.6 +1048.8	4914 8.9 231158.2 +1049.2	5004 6.0 234516.0 +1007.8	68 9.0 02941.3 +0949.5
4825 9.4 224043.1 +1038.6	4915 9.1 231207.7 +1023.3	5005 9.5 234712.8 +1003.6	69 9.5 03015.5 +0934.6
4826 9.3 224044.7 +1003.7	4916 9.2 231227.4 +1019.6	5006 9.5 234717.8 +1009.1	70 8.2 03056.9 +0902.0
4827 9.0 224108.5 +1006.9	4917 9.1 231236.9 +1023.1	5007 8.5 234859.1 +1006.7	71 9.5 03106.3 +0943.0
4828 9.4 224128.5 +1001.0	4918 9.2 231252.4 +1045.1	5008 9.0 234901.0 +1028.8	72 9.5 03120.7 +0917.4
4829 9.5 224139.0 +1004.6	4919 9.5 231306.9 +1031.7	5009 9.5 234927.1 +1003.2	73 9.5 03205.4 +0950.6
4830 9.5 224145.1 +1053.8	4920 9.5 231344.7 +1054.4	5010 8.8 234935.8 +1024.7	74 8.5 03232.1 +0928.4
4831 9.5 224159.0 +1021.2	4921 9.3 231353.0 +1049.5	5011 9.3 234944.0 +1019.0	75 9.5 03254.0 +0935.7
4832 9.3 224202.5 +1014.8	4922 9.5 231406.8 +1050.4	5012 9.3 234953.4 +1000.1	76 9.4 03304.0 +0919.1
4833 9.4 224205.6 +1043.1	4923 9.1 231451.7 +1024.7	5013 7.0 235022.8 +1039.6	77 9.5 03331.1 +0932.0
4834 9.5 224318.4 +1051.4	4924 9.5 231458.4 +1008.5	5014 8.5 235038.6 +1044.7	78 9.5 03502.0 +0920.3
4835 9.1 224331.8 +1039.4	4925 9.5 231520.7 +1042.5	5015 9.0 235043.8 +1011.4	79 9.5 03502.7 +0937.9
4836 9.5 224350.7 +1011.9	4926 8.7 231520.7 +1024.2	5016 8.7 235219.0 +1032.9	80 9.5 03600.7 +0946.4
4837 9.5 224425.0 +1051.0	4927 9.3 231601.1 +1002.8	5017 7.0 235225.3 +1028.0	81 8.9 03606.0 +0916.0
4838 9.5 224453.5 +1057.5	4928 9.3 231605.0 +1023.5	5018 7.3 235226.1 +1052.7	82 9.5 03648.1 +0903.1
4839 9.2 224504.7 +1053.2	4929 9.5 231616.7 +1059.2	5019 9.5 235329.8 +1046.9	83 9.0 03653.8 +0909.3
4840 9.5 224513.2 +1015.5	4930 9.2 231633.2 +1051.4	5020 9.2 235353.8 +1045.4	84 9.0 03749.3 +0930.8
4841 9.5 224606.0 +1004.3	4931 9.3 231643.4 +1022.1	5021 9.5 235401.3 +1051.4	85 9.3 03750.0 +0929.9
4842 9.5 224633.0 +1013.6	4932 9.4 231701.3 +1019.7	5022 8.5 235455.8 +1012.1	86 9.4 03809.6 +0927.2
4843 9.5 224702.1 +1007.6	4933 9.5 231723.8 +1046.6	5023 8.5 235515.8 +1005.7	87 9.3 03831.4 +0940.9
4844 8.3 224721.9 +1007.2	4934 9.4 231747.7 +1029.0	5024 9.0 235643.8 +1027.4	88 9.0 03915.3 +0946.8
4845 8.0 224727.9 +1042.8	4935 9.2 231923.7 +1034.9	5025 9.3 235703.8 +1019.3	89 9.0 04035.7 +0926.0
4846 9.5 224741.8 +1002.1	4936 9.0 231943.7 +1017.0	5026 9.5 235927.8 +1025.8	90 9.0 04045.0 +0929.1
4847 9.4 224828.5 +1045.2	4937 9.5 231950.5 +1007.0	1 9.3 00001.3 +0949.2	91 9.1 04115.9 +0902.8
4848 9.5 224843.2 +1024.5	4938 7.9 232036.0 +1020.5	2 9.5 00031.9 +0916.3	92 9.5 04116.0 +0957.5
4849 9.4 224856.3 +1018.0	4939 8.5 232125.4 +1042.5	3 9.5 00105.8 +0929.4	93 9.3 04155.3 +0902.8
4850 9.5 224857.9 +1031.7	4940 9.5 232135.3 +1014.4	4 9.5 00124.7 +1904.6	94 8.8 04221.0 +0956.6
4851 9.5 224903.2 +1005.0	4941 9.1 232204.2 +1006.6	5 8.7 00134.3 +1902.3	95 9.5 04232.0 +0922.9
4852 8.9 224929.8 +1057.9	4942 8.5 232232.2 +1052.6	6 9.1 00137.3 +1949.3	96 9.1 04248.3 +0904.2
4853 8.7 224954.5 +1024.6	4943 9.4 232312.4 +1006.7	7 9.5 00207.3 +1900.5	97 8.5 04301.7 +0936.4
4854 9.1 225026.7 +1033.7	4944 9.5 232349.8 +1016.3	8 9.5 00214.8 +0942.3	98 9.5 04408.0 +0922.1
4855 9.5 225102.6 +1000.5	4945 8.4 232401.6 +1005.7	9 9.5 00228.3 +0947.2	99 8.3 04434.2 +0949.4
4856 8.5 225106.5 +1030.2	4946 9.5 232411.0 +1004.7	10 9.2 00310.8 +0915.5	100 9.3 04501.0 +0954.3
4857 9.5 225144.5 +1015.5	4947 8.3 232448.7 +1043.2	11 9.5 00333.8 +0935.0	101 8.3 04514.3 +0901.7
4858 9.5 225144.8 +1020.5	4948 8.3 232501.2 +1023.3	12 8.4 00348.1 +0949.8	102 8.7 04542.0 +0907.3
4859 6.1 225156.8 +1056.8	4949 8.0 232513.4 +1011.0	13 8.5 00411.8 +0930.8	103 9.4 04609.3 +0929.8
4860 9.5 225216.2 +1006.0	4950 8.8 232537.0 +1042.8	14 9.1 00601.9 +0927.0	104 9.4 04637.7 +0949.1
4861 9.4 225240.7 +1042.8	4951 9.4 232559.6 +1033.0	15 9.5 00616.0 +0938.6	105 9.5 04809.7 +0945.6
4862 9.3 225249.8 +1021.2	4952 9.5 232638.7 +1006.3	16 9.4 00631.2 +0916.4	106 9.3 04840.0 +0906.2
4863 9.5 225304.0 +1011.7	4953 8.3 232649.4 +1022.8	17 9.5 00714.6 +0916.3	107 9.5 04859.0 +0957.9
4864 9.5 225317.2 +1034.2	4954 9.5 232718.0 +1050.9	18 9.5 00754.5 +0914.0	108 9.0 04901.4 +0952.3
4865 9.5 225406.4 +1003.2	4955 9.5 232738.3 +1050.7	19 8.8 00825.4 +0919.0	109 8.8 04910.0 +0923.5
4866 9.2 225447.5 +1034.8	4956 9.1 232739.7 +1041.3	20 9.1 00914.1 +0917.3	110 8.7 04912.1 +0912.8
4867 9.5 225526.5 +1009.2	4957 9.1 232746.8 +1045.1	21 6.8 00921.3 +0926.6	111 9.3 04935.4 +0939.1
4868 9.5 225534.5 +1018.9	4958 7.5 232753.7 +1009.1	22 7.5 00934.8 +0934.3	112 9.5 05203.3 +0940.5
4869 9.5 225554.1 +1010.8	4959 8.9 232824.3 +1010.2	23 8.3 00937.3 +094.9	113 9.4 05305.0 +0909.0
4870 9.2 225555.1 +1034.8	4960 9.0 232826.2 +1020.2	24 8.6 00958.0 +0911.0	114 9.0 05305.0 +0944.4
4871 9.5 225609.4 +1050.9	4961 9.5 232906.2 +1013.8	25 9.3 01021.7 +0958.3	115 9.1 05400.7 +0913.4
4872 9.4 225631.0 +1015.4	4962 9.5 232923.3 +1018.0	26 9.0 01120.8 +0924.9	116 8.5 05422.0 +0918.1
4873 8.6 225637.9 +1019.3	4963 7.8 232937.0 +1012.5	27 9.5 01149.7 +0925.7	117 9.5 05430.3 +0957.2
4874 7.7 225704.1 +1024.0	4964 8.9 232945.9 +1049.4	28 9.5 01208.8 +0949.3	118 9.5 05457.9 +0924.4
4875 9.5 225715.2 +1036.9	4965 9.5 233001.4 +1024.3	29 9.5 01220.3 +0945.5	119 9.5 05464.0 +0929.0
4876 9.3 225730.9 +1009.3	4966 9.3 233024.9 +1018.3	30 8.8 01259.8 +0907.5	120 9.5 05521.7 +0932.6
4877 9.0 225800.4 +1006.7	4967 9.5 233032.7 +1041.4	31 9.4 01310.5 +0930.1	121 9.2 05529.2 +0920.4
4878 9.5 225803.0 +1008.1	4968 9.2 233033.0 +1026.1	32 9.5 01405.3 +0925.5	122 9.0 05534.0 +0933.3
4879 9.3 225806.5 +1004.0	4969 9.2 233034.5 +1048.0	33 9.5 01407.6 +0957.7	123 9.0 05559.0 +0919.3
4880 9.5 225808.2 +1039.8	4970 9.0 233040.4 +1032.8	34M 9.5 01446.6 +0952.5	124 9.4 05735.5 +0930.0
4881 8.8 225820.2 +1029.7	4971 9.5 233134.7 +1043.4	35 9.3 01448.7 +0958.6	125 9.3 05759.7 +0945.6
4882 9.5 225830.5 +1030.0	4972 9.2 233158.9 +1058.1	36 9.5 01511.5 +0913.0	126 9.5 05834.6 +0950.8
4883 9.5 225855.9 +1054.3	4973 9.0 233201.3 +1012.0	37 9.2 01530.3 +0925.4	127 9.3 05851.0 +0908.2
4884 9.3 225935.1 +1016.6	4974 9.3 233208.8 +1020.6	38 9.2 01557.9 +0946.5	128 9.5 05923.4 +0940.7
4885 9.0 230024.1 +1019.6	4975 9.4 233218.5 +1059.7	39 9.1 01629.9 +0907.7	129 9.5 05927.0 +0949.0
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4887 7.0 230131.1 +1009.6	4977 9.2 233254.8 +1038.4	41 9.0 01818.7 +0935.9	131 9.5 05935.9 +0950.1
4888 9.5 230143.3 +1035.5	4978 9.0 233259.4 +1003.3	42 9.5 01820.6 +0957.1	132 6.5 10046.7 +0908.2
4889 9.5 230146.3 +1041.9	4979 9.4 233303.3 +1044.0	43 9.5 01915.7 +0928.4	133 9.3 10101.0 +0915.8
4890 9.3 230203.8 +1003.5	4980 9.5 233505.8 +1026.6	44 8.6 01925.6 +0920.9	134 9.0 10120.7 +0946.7
4891 8.6 230239.1 +1057.5	4981 9.3 233528.8 +1057.0	45 9.5 01941.9 +0911.6	135 9.3 10203.7 +0958.5
4892 9.4 230255.2 +1054.8	4982 8.9 233605.0 +1048.2	46 9.5 02030.5 +0947.6	136 9.5 10241.6 +0933.3
4893 9.4 230257.3 +1047.5	4983 9.2 233611.3 +1027.3	47 6.5 02050.1 +0923.7	137 9.5 10323.8 +0910.2
4894 7.7 230311.0 +1001.6	4984 9.5 233612.6 +1004.3	48 9.5 02129.1 +0902.7	138 7.0 10353.6 +0932.1
4895 9.5 230345.2 +1015.4	4985 9.1 233644.8 +1026.0	49 9.4 02150.1 +0903.8	139 9.3 10631.4 +0958.7
4896 9.5 230404.5 +1056.9	4986 9.2 233715.4 +1056.8	50 8.0 02203.2 +0935.5	140 9.5 10701.8 +0914.6
4897 9.4 230421.5 +1013.6	4987 9.3 233728.8 +1033.3	51 8.9 02210.0 +0905.7	141 9.5 10735.1 +0922.4
4898 9.5 230518.4 +1045.4	4988 9.4 233817.8 +1045.1	52 9.5 02237.8 +0944.1	142 7.0 10812.4 +0900.9
4899 8.1 230519.7 +1009.8	4989 8.0 233854.6 +1017.6	53 9.5 02300.3 +0926.5	143D 9.5 10833.3 +0912.0
4900 9.4 230534.5 +1048.5	4990 9.1 234002.9 +1038.3	54 9.5 02339.9 +0914.4	144 8.6 10840.3 +0928.4
4901 9.5 230551.3 +1042.6	4991 8.5 234018.8 +1035.7	55 9.5 02351.0 +0920.9	145 9.2 10922.4 +0907.2
4902 6.2 230609.8 +1016.6	4992 9.5 234131.0 +1020.4	56 9.5 02353.8 +0929.0	146 7.8 10937.5 +0950.8
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4907 9.5 230813.0 +1057.3	4997 9.4 234231.0 +1021.6	61 9.4 02615.7 +0908.6	151 9.4 11245.4 +0957.0
4908 9.5 230937.9 +1091.3	4998 8.9 234234.5 +1056.8	62 6.8 02641.7 +0930.2	152 9.5 11310.9 +0948.9
4909 9.4 231004.9 +1007.0	4999 9.3 234239.1 +1036.6	63 9.3 02710.4 +0950.5	153 9.5 11313.1 +0948.7

+09 154 1h13m

154 9.5 11354.4 +0956.8	244 9.0 14927.2 +0941.8	334 9.1 22457.0 +0912.3	423 9.5 31043.0 +0903.1
155 9.3 11418.0 +0945.3	245 9.2 14945.1 +0910.6	335 9.5 22508.5 +0935.3	424 9.5 31203.6 +0907.2
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157 9.1 11456.4 +0949.1	247 9.1 15100.9 +0956.1	337 9.3 22709.5 +0912.6	426 9.5 31245.7 +0926.9
158 7.0 11507.7 +0936.5	248 9.4 15115.2 +0902.4	338 9.3 22747.0 +0946.8	427 7.8 31327.9 +0908.2
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163 9.5 11553.0 +0928.1	253 7.7 15240.3 +0954.4	343 9.5 22918.0 +0915.4	432 9.5 31527.2 +0941.7
164 9.3 11554.1 +0943.3	254 9.5 15304.2 +0904.5	344 9.3 23015.5 +0924.8	433 9.5 31608.0 +0956.5
165 9.5 11609.9 +0926.6	255 9.5 15328.2 +0942.3	345 9.5 23102.5 +0954.5	434 9.5 31615.7 +0934.5
166 9.5 11714.8 +0931.8	256 9.3 15412.7 +0951.1	345a 9.5 23138.8 +0938.0	435 9.3 31650.1 +0925.9
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168 9.4 11841.6 +0947.8	258 9.3 15459.2 +0916.1	347 9.3 23238.5 +0929.0	437 8.2 31707.2 +0929.9
169 9.3 11856.0 +0930.5	259 9.5 15525.2 +0933.3	347 9.3 23238.5 +0929.0	438 8.7 31721.8 +0909.3
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173 9.5 12129.0 +0955.1	263 9.5 15711.5 +0940.9	351 9.5 23303.9 +0956.2	441a 9.5 32048.1 +0917.2
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177 9.2 12230.0 +0907.7	267 9.5 15746.8 +0945.7	355 9.5 23559.0 +0938.0	445 9.5 32224.4 +0948.3
178 9.3 12255.8 +0922.5	268 9.4 15827.5 +0956.2	356 8.9 23608.4 +0938.0	446 9.5 32252.2 +0932.4
179 9.5 12315.4 +0947.0	269 9.5 15850.2 +0916.1	357 9.2 23611.4 +0941.5	447 7.5 32235.0 +0957.3
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182 8.3 12416.0 +0914.4	272 9.0 20039.1 +0954.6	360 9.5 23724.5 +0909.9	450 9.5 32352.8 +0934.2
183 9.1 12518.3 +0904.4	273 9.4 20134.5 +0922.0	361 8.9 23806.6 +0946.0	451 9.3 32501.7 +0918.9
184 9.5 12521.1 +0928.9	274 9.5 20155.6 +0910.5	362 8.8 23950.2 +0937.3	452 9.5 32534.7 +0945.3
185 9.4 12624.8 +0955.2	275 9.5 20212.2 +0900.6	363 9.2 24011.7 +0959.2	453 8.7 32552.8 +0911.8
186 9.5 12701.1 +0928.5	276 9.5 20247.5 +0953.0	364 9.4 24056.1 +0919.0	454 9.5 32554.2 +0928.6
187 9.0 12737.7 +0910.7	277 9.5 20254.2 +0930.4	365 9.4 24100.2 +0915.5	455 8.9 32556.1 +0944.5
188 9.5 12749.0 +0924.5	278 9.5 20353.0 +0931.5	366 9.5 24148.1 +0936.0	456 9.5 32649.5 +0936.5
189 8.3 12754.4 +0949.1	279 9.4 20403.8 +0905.8	367 9.3 24206.6 +0934.5	457 9.4 32653.6 +0915.5
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193 9.3 13008.3 +0920.9	283 9.5 20609.0 +0947.6	371 9.5 24647.6 +0926.9	461 9.5 32912.6 +0929.3
194 8.1 13019.0 +0900.9	284 9.5 20609.8 +0919.6	372 9.5 24720.5 +0959.8	462 9.3 32944.2 +0918.3
195 9.3 13025.1 +0954.3	285 9.3 20616.5 +0926.2	373 7.8 24735.2 +0953.4	463 7.8 33003.1 +0927.5
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197 9.3 13035.0 +0946.5	287 9.5 20624.7 +0947.5	375 9.0 24745.1 +0913.7	465 9.5 33036.1 +0906.5
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202 9.5 13336.0 +0948.1	292 9.5 20747.5 +0946.5	380 9.1 24918.7 +0956.8	470 8.7 33215.5 +0912.3
203 9.0 13336.0 +0923.0	293 9.5 20822.0 +0917.7	381 8.3 24952.1 +0953.2	471 9.5 33312.8 +0904.0
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205 9.5 13438.6 +0926.3	295 9.3 20900.5 +0949.2	383 8.0 25129.2 +0938.6	473 9.4 33401.2 +0953.8
206 8.2 13456.5 +0931.1	296 6.6 20908.1 +0906.6	384 8.2 25151.7 +0902.9	474 9.5 33419.9 +0950.0
207 9.5 13506.9 +0905.6	297 9.5 20951.2 +0931.1	385 8.8 25200.6 +0955.1	475 9.3 33452.1 +0959.0
208 9.3 13532.2 +0953.1	298 9.2 20953.0 +0925.8	386 9.3 25201.3 +0902.4	476 9.5 33551.7 +0908.9
209 9.2 13549.5 +0944.3	299 8.8 21002.5 +0945.7	387 7.8 25259.6 +0940.7	477 9.0 33620.4 +0915.7
210 9.5 13553.7 +0922.8	300 9.5 21045.8 +0937.5	388 9.0 25517.7 +0932.4	478 9.5 33635.2 +0938.3
211 9.5 13556.9 +0945.8	301 8.5 21046.9 +0910.1	389 9.4 25605.3 +0910.9	479 8.6 33643.7 +0943.4
212 9.1 13608.5 +0926.6	302 9.4 21105.3 +0977.5	390 8.8 25612.8 +0905.9	480 9.1 33654.6 +0936.5
213 9.5 13647.1 +0940.9	303 9.5 21202.8 +0950.2	391 9.5 25638.6 +0942.4	481 9.5 33705.7 +0927.5
214 9.5 13747.9 +0921.3	304 9.0 21243.2 +0958.4	392 9.1 25655.9 +0901.5	482 9.5 33707.4 +0934.8
215 9.1 13758.8 +0949.4	305 8.4 21308.0 +0957.5	393 9.4 25728.4 +0944.8	483 9.4 33712.5 +0944.0
216 9.5 13819.5 +0936.4	306 8.3 21308.5 +0920.4	394 9.0 25751.2 +0919.6	484 9.3 33806.6 +0931.7
217 9.5 13829.3 +0944.8	307 8.6 21335.6 +0904.5	395 8.7 25813.0 +0906.2	485 9.0 33849.2 +0926.9
218 9.4 13839.7 +0938.8	308 9.5 21421.2 +0959.3	396 9.5 25858.1 +0915.1	486 7.7 33904.8 +0904.7
219 9.5 13918.1 +0924.6	309 9.5 21437.0 +0950.6	397 7.5 30001.1 +0922.3	487 8.8 33941.3 +0956.5
220 9.5 13958.6 +0941.5	310 9.5 21444.8 +0908.2	398 8.8 30040.4 +0953.0	488 9.5 33946.9 +0910.3
221 9.5 14025.3 +0914.6	311 9.2 21454.5 +0949.4	399 9.5 30047.5 +0900.5	489 9.5 33947.9 +0904.7
222 9.1 14052.8 +0921.7	312 9.5 21456.0 +0954.7	400 9.5 30054.2 +0950.7	490 9.4 34005.3 +0929.7
223 8.7 14056.5 +0929.4	313 7.7 21625.5 +0936.9	401 8.1 30111.0 +0908.4	491 9.4 34010.2 +0939.0
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225 9.4 14157.4 +0903.6	315 7.6 21646.1 +0903.1	403 9.5 30135.1 +0913.7	492a 9.2 34024.4 +0940.1
226 9.5 14232.0 +0948.2	316 5.7 21703.0 +0957.9	404 9.3 30152.1 +0954.6	493 9.5 34037.9 +0914.8
227 9.4 14236.5 +0927.6	317 9.5 21735.8 +0913.5	405 9.4 30171.6 +0915.6	494 6.5 34038.6 +0911.0
228 9.1 14238.3 +0905.5	318 7.6 21755.4 +0913.4	406 9.5 30225.3 +0935.7	495 9.3 34038.6 +0928.6
229 9.2 14344.4 +0924.9	319 7.5 21823.5 +0959.1	407 8.3 30229.6 +0907.9	496 9.0 34114.6 +0954.9
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895	9.5	52835.4	+0929.7	985	9.5	54341.7	+0940.1	1075	9.4	55534.3	+0939.8	1165	9.4	60806.6	+0911.4
896	9.0	52837.0	+0945.8	986	9.5	54346.4	+0903.6	1076	9.5	55541.3	+0929.7	1166	8.1	60822.0	+0904.2
897	8.9	52846.8	+0946.7	987	9.2	54416.0	+0922.3	1077	9.0	55550.1	+0918.6	1167	9.5	60822.2	+0951.1
898	4.6	52857.1	+0912.4	988	8.7	54422.1	+0908.5	1078	9.1	55601.6	+0920.3	1168	9.5	60836.0	+0904.8
899	9.5	52927.0	+0941.4	989	9.5	54422.5	+0916.0	1079	9.5	55651.5	+0901.0	1169	9.5	60843.8	+0923.4
900	9.3	52929.6	+0911.1	990	9.2	54426.9	+0922.8	1080	9.0	55651.7	+0933.4	1170	9.5	60845.3	+0934.9
901	9.3	52937.4	+0952.3	991	9.5	54440.0	+0920.0	1081	9.0	55657.6	+0935.1	1171	9.5	60851.4	+0902.5
902	9.3	52938.0	+0932.5	992	8.7	54449.9	+0947.4	1082	9.5	55702.0	+0909.8	1172	9.5	60855.2	+0902.7
903	9.5	52949.5	+0934.7	993	9.5	54450.0	+0923.8	1083	9.5	55721.0	+0938.1	1173	6.3	60907.3	+0959.4
904	9.3	52956.4	+0906.4	994	9.4	54515.7	+0943.6	1084	9.1	55725.1	+0917.6	1174	9.5	60909.2	+0957.2
905	9.0	53000.1	+0910.9	995	8.0	54520.8	+0931.6	1085	9.4	55745.4	+0909.5	1175	9.5	60912.5	+0900.2
906	9.0	53008.7	+0924.7	996	9.4	54524.7	+0905.3	1086	9.3	55753.1	+0954.6	1176	9.5	60912.8	+0949.5
907	9.0	53015.4	+0948.2	997	9.5	54532.4	+0903.2	1087	8.7	55801.1	+0952.7	1177	9.5	60918.0	+0934.8
908	9.5	53050.3	+0954.6	998	9.5	54544.7	+0919.9	1088	9.0	55823.1	+0910.8	1178	9.5	60922.4	+0956.5
909	9.0	53055.6	+0922.3	999	9.5	54549.1	+0958.5	1089	9.5	55825.7	+0936.0	1179	9.5	60947.8	+0942.9
910	9.0	53102.7	+0948.5	1000	9.5	54602.0	+0955.4	1090	9.5	55843.1	+0939.3	1180	9.4	60947.8	+0953.4
911	9.5	53109.7	+0948.5	1001	9.5	54603.0	+0927.6	1091	9.4	55908.9	+0904.8	1181	9.1	60959.2	+0934.5
912	9.4	53121.8	+0904.9	1002	9.5	54609.4	+0903.7	1092	8.0	55912.9	+0910.8	1182	8.3	61007.9	+0922.2
913	9.5	53126.6	+0913.4	1003	9.3	54637.8	+0935.9	1093	9.3	55918.8	+0929.9	1183	9.3	61037.0	+0918.0
914	9.0	53134.2	+0900.1	1004	9.5	54645.0	+0941.9	1094	8.2	55926.1	+0912.2	1184	7.0	61044.3	+0906.2
915	8.4	53136.8	+0945.8	1005	8.9	54645.3	+0914.0	1095	9.4	55931.1	+0958.8	1185	9.5	61126.4	+0939.5
916	9.5	53157.7	+0936.9	1006	9.5	54700.1	+0933.4	1096	9.5	55946.0	+0930.7	1186	9.5	61129.1	+0918.3
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919	9.4	53207.4	+0933.9	1009	9.4	54749.9	+0933.3	1099	9.5	55955.3	+0926.2	1189	9.1	61144.5	+0911.6
920	9.0	53209.6	+0923.4	1010	9.5	54759.7	+0934.5	1100	9.3	60008.4	+0916.9	1190	9.5	61151.0	+0941.6
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922	9.1	53315.1	+0927.7	1012	9.5	54805.5	+0908.0	1102	9.3	60025.7	+0905.0	1192	9.5	61156.7	+0943.6
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924	9.5	53321.1	+0911.1	1014	9.5	54810.0	+0928.3	1104	9.5	60038.3	+0902.2	1194	9.4	61223.6	+0910.9
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*09 1950 8h15m

*09 2309 10h02m

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1951	9.3	81559.5	+0910.3	2041	9.5	83724.5	+0917.7	2131	9.5	90339.5	+0908.5	2221	9.3	93155.0	+0933.9
1952	8.5	81623.1	+0941.6	2042	9.4	83732.9	+0928.4	2132	9.5	90340.0	+0912.0	2222	9.3	93213.0	+0952.4
1953	9.5	81623.4	+0913.4	2043	9.5	83737.8	+0913.0	2133	6.8	90340.8	+0933.9	2223	8.5	93228.6	+0923.4
1954	9.5	81624.9	+0909.3	2044	9.1	83740.7	+0903.9	2134	9.4	90400.2	+0958.8	2224	9.4	93238.5	+0916.1
1955	8.6	81633.0	+0902.5	2045	9.5	83745.0	+0947.8	2135	9.5	90451.4	+0950.8	2225	9.1	93245.4	+0944.0
1956	9.5	81640.6	+0913.8	2046	9.5	83749.0	+0931.7	2136	9.5	90453.3	+0921.3	2226	7.5	93332.7	+0939.9
1957	9.4	81649.9	+0909.7	2047	7.5	83844.5	+0900.4	2137	9.1	90522.1	+0951.5	2227	9.0	93425.2	+0921.5
1958	9.5	81650.1	+0925.2	2048	8.9	83847.6	+0951.0	2138	9.5	90607.9	+0919.7	2228	9.3	93437.8	+0939.6
1959	9.1	81653.7	+0944.8	2049	9.5	83851.3	+0922.7	2139	9.5	90626.3	+0942.5	2229	8.3	93518.0	+0927.7
1960	7.6	81709.3	+0953.4	2050	9.5	83904.7	+0933.4	2140	9.5	90640.8	+0905.1	2230	9.4	93543.5	+0935.7
1961	9.5	81719.7	+0936.5	2051	9.3	83905.1	+0931.4	2141	9.5	90655.9	+0924.4	2231	9.5	93649.5	+0959.7
1962	9.0	81729.7	+0923.4	2052	9.2	83917.1	+0915.8	2142	9.2	90705.4	+0902.4	2232	8.5	93731.2	+0922.7
1963	9.5	81731.0	+0956.6	2053	8.8	83921.0	+0954.6	2143	9.4	90711.3	+0928.6	2233	8.0	93735.1	+0933.2
1964	9.1	81737.5	+0958.5	2054	9.3	83921.6	+0907.4	2144	9.4	90753.0	+0905.3	2234	9.5	93745.6	+0954.3
1965	8.8	81809.5	+0936.5	2055	9.3	83924.6	+0950.7	2145	9.5	90823.6	+0924.3	2235	9.3	93759.5	+0921.8
1966	9.5	81831.9	+0930.6	2056	8.3	83930.3	+0947.3	2146	9.5	90851.9	+0947.0	2236	9.2	93800.6	+0908.4
1967	9.5	81838.1	+0929.1	2057	9.5	84005.4	+0918.3	2147	9.5	90917.8	+0927.3	2237	9.3	93844.9	+0908.2
1968	9.0	81908.5	+0956.3	2058	9.1	84012.3	+0929.5	2148	9.4	90920.0	+0925.6	2238	9.2	93914.6	+0953.9
1969	9.5	81920.4	+0919.7	2059	9.5	84107.2	+0949.0	2149	9.4	90939.2	+0920.5	2239	7.0	93934.3	+0915.0
1970	9.5	81927.6	+0945.0	2060	9.1	84111.8	+0938.4	2150	9.4	90946.8	+0958.1	2240	9.0	94003.9	+0942.3
1971	9.4	81930.9	+0932.7	2061	8.8	84128.5	+0923.2	2151	8.2	90956.0	+0958.2	2241	9.3	94015.5	+0950.2
1972	9.3	81935.4	+0950.2	2062	9.3	84140.5	+0908.8	2152	8.8	91004.2	+0927.3	2242	9.1	94108.3	+0939.5
1973	9.5	81940.5	+0931.6	2063	7.8	84140.8	+0924.0	2153	9.4	91014.8	+0944.0	2243	9.5	94201.2	+0913.7
1974	9.5	81957.8	+0902.3	2064	9.2	84146.0	+0933.2	2154	9.5	91033.3	+0944.7	2244	9.5	94203.9	+0924.9
1975	9.5	81958.5	+0905.1	2065	9.4	84147.3	+0950.5	2155	9.2	91036.5	+0953.9	2245	9.5	94232.8	+0905.0
1976	9.4	82000.0	+0942.6	2066	9.3	84153.2	+0939.4	2156	9.5	91110.5	+0930.8	2246	9.3	94248.3	+0931.6
1977	9.4	82011.3	+0938.7	2067	8.7	84231.0	+0948.5	2157	9.5	91111.7	+0958.9	2247	9.5	94253.3	+0926.6
1978	9.4	82012.8	+0920.3	2068	9.5	84247.2	+0910.1	2158	7.8	91125.0	+0941.6	2248	9.4	94313.5	+0937.9
1979	9.5	82016.5	+0929.5	2069	8.9	84305.7	+0904.9	2159	9.2	91133.6	+0939.6	2249	9.5	94341.2	+0908.0
1980	9.5	82038.5	+0932.6	2070	9.0	84312.9	+0957.0	2160	9.5	91301.0	+0944.8	2250	9.1	94344.0	+0911.2
1981	9.2	82038.8	+0950.9	2071	9.5	84419.0	+0905.2	2161	9.1	91329.2	+0943.0	2251	9.1	94356.0	+0904.3
1982	8.8	82043.9	+0958.1	2072	9.5	84427.1	+0937.8	2162	9.5	91340.1	+0914.5	2252	9.3	94409.8	+0916.4
1983	9.1	82135.7	+0907.4	2073	8.7	84445.0	+0936.6	2163	9.4	91341.5	+0943.6	2253	9.3	94429.3	+0951.9
1984	9.4	82137.2	+0914.0	2074	9.4	84446.2	+0915.7	2164	8.7	91353.1	+0942.8	2254	9.5	94439.0	+0958.7
1985	8.7	82141.1	+0955.3	2075	9.5	84457.8	+0955.7	2165	9.5	91354.6	+0953.7	2255	9.5	94439.0	+0958.7
1986	9.2	82142.4	+0923.9	2076	8.5	84511.1	+0944.6	2166	9.4	91358.8	+0939.1	2256	9.2	94437.6	+0909.7
1987	9.5	82152.0	+0913.8	2077	9.5	84513.2	+0919.3	2167	9.0	91524.6	+0937.8	2257	9.2	94453.7	+0922.4
1988	9.4	82227.1	+0928.6	2078	9.3	84557.4	+0925.3	2168	9.5	91530.6	+0959.0	2258	9.5	94461.0	+0959.2
1989	9.4	82238.9	+0906.6	2079	9.4	84601.9	+0936.2	2169	8.8	91539.2	+0915.1	2259	9.4	94463.7	+0903.7
1990	9.5	82240.0	+0919.6	2080	9.3	84602.0	+0908.1	2170	9.4	91603.4	+0913.8	2260	9.3	94702.0	+0903.9
1991	9.5	82252.3	+0913.8	2081	9.5	84630.8	+0926.6	2171	9.4	91611.1	+0941.9	2261	9.3	94748.1	+0902.3
1992	9.5	82314.5	+0959.2	2082	9.5	84636.7	+0936.5	2172	9.5	91624.7	+0959.2	2262	6.2	94845.2	+0938.5
1993	8.3	82318.4	+0941.2	2083	9.4	84655.8	+0949.1	2173	9.4	91632.6	+0948.9	2263	9.5	94902.5	+0920.8
1994	9.2	82333.5	+0946.7	2084	9.5	84656.3	+0916.2	2174	9.5	91633.3	+0908.9	2264	9.5	94905.7	+0925.7
1995	9.5	82347.6	+0924.7	2085	9.0	84659.3	+0906.7	2175	8.4	91643.6	+0959.7	2265	9.2	94942.0	+0945.7
1996	9.5	82411.2	+0918.7	2086	9.5	84707.1	+0909.6	2176	9.0	91657.2	+0926.9	2266	9.0	94946.7	+0916.9
1997	8.5	82426.2	+0922.4	2087	9.3	84720.1	+0933.2	2177	9.3	91700.4	+0902.9	2267	9.5	94953.0	+0950.7
1998	9.5	82440.5	+0922.8	2088	9.5	84831.9	+0909.6	2178	8.8	91701.2	+0905.0	2268	9.3	94959.5	+0938.3
1999	9.5	82446.6	+0927.8	2089	9.2	84906.7	+0948.3	2179	8.9	91706.6	+0933.4	2269	6.8	95027.1	+0901.5
2000	9.3	82451.0	+0927.8	2090	9.2	84935.6	+0959.0	2180	8.9	91713.0	+0935.9	2270	9.0	95030.1	+0912.2
2001	9.4	82543.6	+0912.3	2091	9.1	84948.6	+0929.8	2181	8.2	91813.1	+0925.2	2271	9.5	95044.3	+0933.0
2002	9.3	82545.7	+0954.3	2092	8.3	84951.1	+0950.0	2182	9.5	91834.1	+0944.5	2272	9.5	95044.6	+0952.2
2003	8.8	82644.9	+0924.5	2093	6.0	84953.5	+0956.3	2183	9.2	91901.2	+0947.7	2273	9.5	95140.1	+0927.0
2004	8.9	82644.9	+0952.9	2094	9.5	84957.0	+0923.4	2184	9.0	91923.5	+0946.7	2274	9.3	95140.2	+0933.0
2005	9.0	82645.4	+0945.4	2095	9.1	85003.2	+0928.9	2185	9.4	91937.9	+0910.9	2275	9.0	95146.8	+0907.2
2006	9.5	82702.6	+0922.4	2096	9.5	85016.3	+0936.8	2186	9.5	91951.7	+0935.6	2276	9.5	95155.6	+0933.0
2007	9.3	82709.5	+0900.6	2097	9.0	85034.4	+0915.8	2187	9.0	92013.2	+0933.5	2277	9.3	95202.8	+0947.9
2008	9.2	82742.1	+0904.7	2098	9.3	85121.9	+0951.9	2188	5.3	92041.7	+0940.9	2278	9.3	95236.4	+0920.1
2009	9.1	82747.9	+0959.5	2099	7.5	85131.3	+0932.5	2189	9.1	92047.3	+0955.0	2279	9.3	95253.3	+0905.6
2010	9.4	82811.3	+0940.3	2100	9.5	85207.4	+0905.0	2190	9.5	92129.7	+0917.0	2280	8.1	95219.9	+0939.6
2011	9.5	82854.1	+0947.8	2101	9.5	85220.0	+0932.5	2191	9.5	92235.1	+0914.5	2281	9.0	95439.9	+0922.9
2012	9.5	82909.3	+0902.0	2102	9.5	85225.5	+0936.0	2192	9.3	92250.8	+0910.6	2282	9.5	95511.8	+0951.5
2013	9.2	82912.9	+0938.8	2103	9.5	85230.0	+0950.6	2193	9.4	92305.0	+0922.8	2283	9.3	95512.0	+0938.6
2014	9.3	82930.5	+0912.7	2104	9.3	85238.1	+0918.8	2194	9.0	92321.3	+0919.4	2284	9.3	95532.9	+0906.0
2015	9.4	82931.6	+0933.5	2105	8.9	85258.2	+0906.4	2195	8.6	92408.7	+0949.2	2285	9.2	95621.0	+0949.9
2016	9.3	82938.9	+0945.9	2106	9.5	85306.7	+0914.0	2196	9.3	92428.3	+0929.2	2286	9.3	95624.3	+0927.8
2017	9.1	82957.9	+0956.2	2107	8.8	85307.8	+0936.5	2197	9.3	92444.6	+0944.2	2287	9.5	95630.4	+0906.1
2018	9.4	82958.1	+0922.0	2108	9.4	85327.0	+0924.3	2198	9.2	92502.5	+0913.0	2288	9.1	95640.5	+0930.7
2019	8.8	83001.4	+0938.8	2109	9.5	85331.8	+0947.2	2199	9.5	92524.2	+0906.4	2289	8.8	95729.6	+0921.1
2020	8.8	83039.1	+0947.1	2110	9.5	85353.8	+0919.7	2200	8.3	92532.5	+0948.7	2290	9.5	95734.5	+0925.0
2021	8.7	83046.7	+0954.3	2111	9.2	85447.5	+0922.8	2201	9.5	92536.8	+0918.1	2291	9.5	95757.5	+0943.1
2022	9.4	83105.3	+0938.9	2112	8.2	85450.5	+0902.9	2202	9.3	92630.8	+0947.5	2292	9.5	95807.6	+0911.9
2023	8.8	83129.5	+0924.8	2113	9.1	85609.3	+0915.9	2203	9.3	92657.7	+0920.5	2293	9.5	95815.5	+0944.5
2024	9.3	83131.1	+0956.3	2114	9.5	85635.7	+0913.2	2204	9.5	92710.0	+0909.1	229			

+09 2310 10h02m

+09 2667 12h39m

2310 9.5 100226.5 +0939.1	2399 9.2 103648.0 +0939.4	2489 8.5 111758.7 +0942.8	2578 9.3 115625.8 +0926.1
2311 9.0 100238.7 +0955.4	2400 9.5 103654.7 +0959.9	2490 9.0 111807.3 +0959.3	2579 9.0 115727.7 +0958.5
2312 9.3 100306.7 +0915.3	2401 9.5 103737.4 +0949.7	2491 9.5 111826.4 +0958.5	2580 9.3 115729.0 +0958.5
2313 9.5 100315.1 +0957.9	2402 9.2 103751.0 +0913.3	2492 8.6 111831.4 +0926.1	2581 9.2 115729.5 +0931.0
2314 9.0 100335.0 +0939.7	2403 9.5 103823.0 +0905.7	2493 9.5 111846.5 +0944.6	2582 9.5 115742.4 +0913.0
2315 9.3 100340.4 +0926.1	2404 9.5 103837.7 +0908.7	2494 7.0 111848.2 +0927.1	2583 4.2 115749.9 +0932.2
2316 9.5 100449.9 +0951.4	2405 9.3 103911.7 +0953.2	2495 8.7 111921.7 +0949.4	2584 9.5 115819.6 +0919.4
2317 8.0 100549.4 +0954.2	2406 9.1 103923.3 +0944.5	2496 9.5 111950.2 +0913.8	2585 9.5 115829.2 +0937.9
2318 9.5 100554.8 +0940.8	2407 9.5 103940.0 +0927.7	2497 9.0 111950.5 +0900.6	2586 9.4 120014.0 +0920.2
2319 9.1 100600.4 +0907.2	2408 8.8 103948.0 +0901.8	2498 9.5 112032.8 +0901.8	2587 9.5 120043.6 +0903.2
2320 9.5 100602.3 +0924.9	2409 9.3 104020.4 +0907.7	2499 9.5 112035.4 +0948.5	2588 9.5 120055.0 +0907.2
2321 9.1 100649.0 +0921.1	2410 9.4 104028.3 +0906.6	2500 9.5 112037.1 +0907.8	2589 9.5 120178.1 +0953.9
2322 9.3 100649.6 +0906.8	2411 8.4 104037.6 +0936.0	2501 9.3 112045.8 +0957.5	2590 9.4 120216.8 +0930.0
2323 9.5 100709.0 +0929.7	2412 9.4 104042.3 +0906.7	2502 8.5 112057.4 +0920.4	2591 9.5 120235.5 +0907.9
2324 8.5 100716.5 +0956.8	2413 9.0 104111.5 +0926.5	2503 9.5 112120.5 +0904.5	2592 9.5 120242.9 +0925.0
2324a 9.6 100857.0 +0921.0	2414 9.5 104200.5 +0901.3	2504 9.3 112125.0 +0907.4	2593 9.5 120249.8 +0950.4
2325 9.3 100901.5 +0929.3	2415 9.5 104231.8 +0936.7	2505 9.5 112152.6 +0950.7	2594 9.5 120305.0 +0915.2
2326 9.5 100924.2 +0953.0	2416 9.3 104305.6 +0956.7	2506 8.5 112255.2 +0953.9	2595 9.4 120324.0 +0907.5
2327 9.5 100925.3 +0904.6	2417 9.0 104318.0 +0957.9	2507 9.5 112311.6 +0958.7	2596 7.8 120338.8 +0931.9
2328 9.3 100927.0 +0938.6	2418 8.2 104343.6 +0956.0	2508 9.5 112338.0 +0959.8	2597 8.6 120353.6 +0925.0
2329 9.5 101004.5 +0930.5	2419 9.5 104345.5 +0916.5	2509 9.1 112358.0 +0932.6	2598 9.5 120415.9 +0913.8
2330 9.3 101036.4 +0957.6	2420 9.3 104356.5 +0917.8	2510 9.0 112423.9 +0917.8	2599 9.5 120423.2 +0917.8
2331 8.2 101040.2 +0925.3	2421 9.5 104400.4 +0952.4	2511 9.0 112447.1 +0943.3	2600 9.0 120444.4 +0933.0
2332 9.3 101117.6 +0929.9	2422 9.3 104420.4 +0911.5	2512 8.9 112448.3 +0945.5	2601 9.4 120451.1 +0959.1
2333 9.2 101129.4 +0901.9	2423 8.3 104424.9 +0950.0	2513 9.0 112611.2 +0935.2	2602 9.5 120520.6 +0950.0
2334 9.5 101138.5 +0923.0	2424 8.8 104423.0 +0938.2	2514 9.0 112617.1 +0920.8	2603 9.5 120532.2 +0929.5
2335 8.2 101146.0 +0943.8	2425 9.5 104764.3 +0919.0	2515 9.5 112631.8 +0904.2	2604 9.5 120562.1 +0924.1
2336 8.1 101142.3 +0956.4	2426 9.5 104747.6 +0916.0	2516 9.1 112836.6 +0953.9	2605 8.0 120626.6 +0947.4
2337 8.2 101236.5 +0922.2	2427 9.2 104813.9 +0921.1	2517 9.0 112850.5 +0943.5	2606 8.9 120622.5 +0955.2
2338 8.8 101238.5 +0926.6	2428 9.5 104907.0 +0933.1	2518 9.1 112903.8 +0922.1	2607 7.7 120703.3 +0936.0
2339 9.0 101244.0 +0938.8	2429 9.5 104913.0 +0949.2	2519 8.8 112916.9 +0948.8	2608 9.5 120710.9 +0929.4
2340 9.0 101347.0 +0931.1	2430 9.2 104951.0 +0939.5	2520 9.5 113004.9 +0922.4	2609 9.1 120759.8 +0948.8
2341 9.3 101350.8 +0949.2	2431 9.5 105014.4 +0947.5	2521 9.5 113008.8 +0957.7	2610 8.5 120805.0 +0903.1
2342 9.3 101411.0 +0958.7	2432 9.5 105029.2 +0933.9	2522 8.3 113015.7 +0903.6	2611 8.6 120825.3 +0950.7
2343 9.0 101425.5 +0913.8	2433 9.5 105059.0 +0942.8	2523 6.8 113042.3 +0941.3	2612 9.3 120855.0 +0956.9
2344 7.0 101435.9 +0942.1	2434 9.3 105103.4 +0954.1	2524 9.5 113116.6 +0957.2	2613 9.5 121004.9 +0947.4
2345 9.1 101509.6 +0932.7	2435 9.2 105106.3 +0956.3	2525 9.5 113129.0 +0959.3	2614 8.5 121105.9 +0929.0
2346 9.3 101516.5 +0946.6	2436 9.5 105236.3 +0941.7	2526 8.8 113155.9 +0944.8	2615 9.1 121212.1 +0925.6
2347 9.5 101618.3 +0931.1	2437 9.5 105255.6 +0918.9	2527 9.5 113252.7 +0920.0	2616 9.4 121238.0 +0921.8
2348 9.5 101623.6 +0959.4	2438 9.5 105305.5 +0923.0	2528 9.5 113258.6 +0955.5	2617 9.0 121304.2 +0959.2
2349 9.5 101701.9 +0928.8	2439 8.5 105442.2 +0938.9	2529 9.5 113313.8 +0906.6	2618 9.5 121517.2 +0919.0
2350 9.5 101732.5 +0920.5	2440 8.5 105446.3 +0923.1	2530 8.3 113314.7 +0928.0	2619 9.5 121521.6 +0912.4
2351 6.0 101737.9 +0932.5	2441 7.5 105458.9 +0957.2	2531 9.3 113326.1 +0956.8	2620 9.2 121522.5 +0903.3
2352 7.8 101757.5 +0929.6	2442 9.3 105524.6 +0954.8	2532 9.3 113352.7 +0954.8	2621 8.3 121628.1 +0908.5
2353 9.5 101817.3 +0916.2	2443 9.5 105549.5 +0909.4	2533 9.0 113355.6 +0922.8	2622 9.5 121706.5 +0909.0
2354 9.5 101822.5 +0920.9	2444 9.3 105609.0 +0957.0	2534 8.6 113400.9 +0948.5	2623 9.5 121712.2 +0918.7
2355 9.5 101825.6 +0923.1	2445 8.5 105611.8 +0931.4	2535 9.5 113411.6 +0918.7	2624 9.5 121808.8 +0924.5
2356 9.1 101922.7 +0916.3	2446 8.5 105816.8 +0956.1	2536 8.8 113511.9 +0932.0	2625 9.5 121934.7 +0924.1
2357 9.5 101923.9 +0931.6	2447 9.5 105827.0 +0954.8	2537 9.5 113513.1 +0925.3	2626 8.7 121940.4 +0946.2
2358 8.3 102018.5 +0903.3	2448 9.5 105831.9 +0912.5	2538 9.0 113514.4 +0906.9	2627 9.0 122006.8 +0956.1
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4470	9.5	201031.7	+0903.1	4560	9.5	202418.5	+0940.6	4649	9.5	204423.6	+0920.1	4739	9.3	210516.0	+0946.2
4471	9.3	201054.9	+0904.8	4561	9.5	202423.1	+0940.6	4650	9.0	204424.6	+0905.1	4740	9.5	210550.5	+0935.0
4472	9.4	201055.3	+0935.2	4562	9.5	202436.8	+0956.2	4651	9.5	204426.3	+0951.7	4741	9.5	210551.0	+0957.0
4473	9.5	201058.2	+0913.0	4563	9.0	202441.5	+0917.9	4652	9.3	204443.1	+0907.0	4742	9.3	210551.0	+0959.4
4474	8.8	201114.2	+0919.6	4564	9.5	202447.9	+0906.4	4653	9.4	204505.7	+0900.4	4743	9.5	210605.0	+0952.4
4475	8.5	201116.8	+0925.2	4565	8.5	202452.5	+0929.3	4654	8.7	204508.1	+0941.3	4744	9.2	210652.8	+0905.0
4476	8.7	201122.8	+0912.0	4566	8.8	202522.0	+0955.9	4655	9.5	204510.1	+0911.5	4745	8.1	210711.1	+0901.5
4477	9.5	201129.2	+0951.9	4567	8.6	202530.5	+0930.0	4656	9.5	204541.2	+0955.5	4746	4.7	210724.6	+0925.5
4478	9.3	201138.8	+0922.7	4568	9.0	202531.5	+0932.7	4657	8.9	204541.9	+0902.0	4747	9.0	210732.6	+0935.2
4479	9.4	201145.2	+0911.2	4569	9.4	202532.5	+0951.5	4658	9.5	204546.0	+0906.7	4748	9.5	210749.6	+0913.8
4480	8.2	201201.2	+0945.6	4570	8.5	202554.2	+0917.5	4659	9.5	204551.9	+0955.2	4749	8.8	210750.3	+0952.0
4481	8.0	201201.1	+0936.0	4571	9.5	202606.6	+0944.2	4660	9.2	204554.8	+0939.9	4750	9.3	210813.0	+0923.2
4482	8.6	201241.1	+0958.2	4572	9.2	202606.8	+0939.7	4661	9.2	204557.4	+0957.2	4751	9.1	210816.3	+0921.1
4483	9.2	201247.3	+0906.4	4573	9.5	202612.4	+0957.6	4662	9.4	204605.1	+0933.6	4752	9.2	210821.9	+0918.9
4484	9.4	201303.8	+0933.5	4574	8.9	202617.7	+0902.3	4663	9.3	204622.9	+0954.1	4753	8.8	210823.2	+0947.4
4485	8.0	201305.2	+0951.4	4575	9.5	202630.1	+0904.3	4664	8.7	204626.1	+0941.6	4754	9.3	210825.6	+0926.3
4486	8.8	201311.5	+0942.8	4576	9.5	202633.1	+0948.9	4665	9.4	204628.9	+0936.1	4755	9.5	210846.9	+0952.5
4487	9.0	201312.1	+0944.3	4577	9.3	202636.5	+0915.1	4666	9.0	204710.1	+0943.7	4756	9.5	210853.8	+0925.9
4488	9.0	201319.8	+0913.0	4578	8.5	202637.5	+0901.5	4667	9.4	204728.4	+0904.5	4757	8.8	210911.0	+0903.2
4489	9.5	201321.2	+0941.8	4579	7.5	202656.5	+0933.9	4668	9.5	204740.7	+0954.7	4758	9.5	210923.5	+0914.4
4490	9.3	201324.5	+0957.1	4580	8.5	202702.6	+0945.0	4669	9.0	204745.6	+0949.9	4759	8.7	210939.8	+0936.3
4491	9.1	201326.2	+0922.0	4581	9.5	202719.7	+0905.9	4670	9.0	204759.6	+0947.1	4760	9.5	210945.5	+0921.7
4492	9.0	201363.6	+0919.5	4582	8.0	202721.8	+0946.0	4671	7.4	204816.8	+0910.1	4761	9.5	210946.4	+0935.5
4493	9.2	201350.2	+0928.2	4583	8.5	202758.8	+0908.5	4672	9.3	204855.1	+0921.1	4762	9.5	210951.4	+0909.1
4494	9.5	201400.5	+0933.1	4584	8.5	202811.0	+0947.3	4673	9.2	204902.8	+0907.2	4763	9.5	210956.9	+0957.3
4495	9.0	201407.7	+0951.0	4585	9.5	202840.2	+0955.1	4674	9.0	204937.8	+0913.1	4764	9.3	211024.5	+0917.6
4496	9.5	201417.5	+0934.5	4586	9.4	202854.0	+0958.6	4675	9.5	204942.5	+0946.5	4765	8.1	211041.8	+0956.0
4497	9.5	201436.2	+0958.0	4587	9.4	202912.4	+0913.1	4676	8.9	204943.4	+0936.3	4766	9.4	211049.1	+0915.8
4498	9.5	201449.2	+0917.0	4588	8.5	202938.0	+0956.8	4677	9.4	204958.1	+0929.8	4767	9.4	211058.0	+0933.1
4499	9.5	201501.3	+0951.1	4589	9.5	202945.8	+0918.6	4678	8.8	205018.1	+0940.2	4768	9.3	211058.0	+0942.2
4500	9.3	201510.5	+0930.8	4590	9.5	202955.5	+0915.8	4679	9.5	205030.2	+0913.8	4769	7.0	211113.1	+0939.4
4501	9.1	201524.2	+0931.6	4591	8.3	202959.2	+0958.6	4680	9.2	205054.5	+0919.1	4770	9.3	211116.0	+0938.4
4502	9.5	201537.5	+0926.2	4592	9.0	203015.2	+0903.0	4681	9.5	205101.1	+0939.2	4771	9.5	211125.8	+0900.8
4503	9.5	201546.5	+0936.3	4593	9.2	203035.2	+0953.8	4682	9.5	205142.8	+0908.0	4772	9.0	211140.8	+0932.8
4504	9.5	201555.2	+0912.3	4594	9.1	203044.5	+0901.3	4683	9.2	205153.9	+0949.2	4773	8.8	211141.1	+0922.3
4505	9.5	201608.5	+0928.7	4595	9.5	203100.2	+0947.6	4684	8.2	205202.9	+0925.7	4774	9.4	211150.8	+0901.5
4506	8.1	201617.0	+0929.9	4596	8.5	203102.2	+0940.0	4685	9.5	205226.3	+0943.8	4775	9.5	211205.1	+0904.0
4507	9.0	201628.1	+0957.0	4597	9.5	203106.9	+0949.7	4686	9.5	205229.5	+0910.4	4776	9.3	211221.1	+0922.7
4508	7.0	201630.7	+0953.5	4598	9.0	203110.8	+0926.2	4687	9.4	205239.0	+0952.0	4777	8.9	211223.0	+0959.7
4509	8.9	201632.7	+0937.0	4599	9.5	203135.2	+0929.7	4688	9.2	205244.0	+0953.7	4778	8.8	211235.3	+0957.8
4510	9.5	201638.4	+0910.6	4600	5.5	203206.2	+0934.6	4689	9.4	205325.6	+0953.6	4779	9.3	211238.0	+0943.9
4511	9.2	201641.7	+0939.8	4601	9.1	203216.4	+0920.0	4690	8.6	205331.1	+0925.9	4780	8.8	211242.2	+0957.1
4512	9.0	201648.6	+0944.4	4602	8.8	203218.7	+0933.9	4691	9.5	205335.5	+0948.4	4781	8.8	211257.2	+0955.3
4513	9.3	201650.6	+0949.6	4603	8.9	203234.6	+0956.6	4692	9.4	205340.0	+0957.0	4782	8.6	211322.0	+0953.9
4514	8.8	201652.5	+0943.0	4604	9.4	203236.5	+0901.5	4693	7.7	205343.5	+0925.6	4783	9.4	211326.9	+0941.7
4515	9.3	201655.9	+0942.3	4605	9.4	203243.1	+0938.3	4694	9.3	205354.8	+0924.9	4784	9.5	211351.1	+0917.6
4516	8.9	201656.9	+0948.5	4606	9.4	203247.6	+0933.5	4695	8.0	205401.8	+0912.0	4785	9.4	211405.1	+0921.8
4517	9.5	201700.5	+0944.5	4607	9.5	203302.8	+0902.8	4696	8.7	205416.1	+0932.9	4786	6.5	211418.8	+0943.5
4518	9.2	201707.4	+0949.2	4608	9.5	203306.6	+0954.8	4697	9.2	205433.8	+0922.4	4787	9.2	211425.5	+0923.8
4519	8.5	201714.8	+0940.9	4609	9.0	203320.5	+0915.3	4698	9.5	205434.1	+0906.8	4788	9.4	211431.8	+0913.8
4520	9.1	201716.9	+0926.8	4610	8.8	203324.1	+0922.5	4699	9.5	205440.5	+0941.8	4789	8.7	211438.5	+0907.8
4521	9.4	201738.3	+0913.2	4611	9.2	203337.1	+0909.0	4700	9.1	205442.7	+0934.8	4790	9.5	211458.6	+0948.8
4522	9.2	201752.4	+0916.0	4612	9.5	203338.2	+0926.0	4701	9.5	205506.1	+0941.8	4791	9.5	211606.0	+0916.2
4523	9.1	201800.2	+0947.3	4613	8.6	203345.0	+0957.1	4702	9.4	205513.8	+0914.1	4792	9.5	211607.8	+0909.6
4524	9.3	201806.5	+0923.0	4614	9.5	203414.8	+0949.5	4703	9.5	205529.6	+0901.8	4793	8.3	211624.0	+0918.7
4525	9.5	201838.8	+0916.5	4615	9.5	203451.1	+0941.3	4704	9.3	205547.5	+0911.0	4794	9.5	211629.4	+0956.4
4526	6.5	201845.1	+0936.0	4616	8.3	203523.6	+0957.8	4705	9.2	205611.8	+0929.0	4795	8.9	211634.5	+0953.2
4527	9.4	201851.2	+0952.4	4617	9.5	203538.2	+0958.9	4706	9.2	205619.2	+0918.8	4796	9.1	211636.0	+0920.5
4528	9.5	201910.3	+0927.4	4618	9.5	203545.2	+0944.0	4707	9.2	205623.5	+0919.9	4797	8.6	211639.1	+0929.0
4529	8.5	201911.5	+0900.2	4619	9.3	203548.1	+0931.2	4708	9.4	205635.5	+0935.9	4798	9.5	211702.1	+0907.8
4530	9.0	201929.8	+0924.8	4620	9.3	203556.5	+0934.4	4709	9.0	205649.8	+0901.1	4799	9.4	211705.5	+0942.1
4531	9.0	201935.8	+0926.6	4621	9.3	203628.4	+0940.5	4710	9.5	205701.5	+0946.6	4800	6.5	211721.1	+0933.2
4532	9.3	201952.0	+0906.7	4622	9.2	203632.3	+0955.9	4711	9.5	205705.0	+0908.7	4801	9.5	211724.2	+0948.5
4533	9.4	201955.8	+0916.6	4623	9.5	203642.5	+0913.6	4712	9.4	205706.4	+0902.0	4802	9.5	211726.0	+0926.3
4534	9.0	202007.5	+0950.4	4624	9.5	203648.8	+0954.4	4713	8.8	205707.8	+0927.0	4803	9.2	211730.2	+0940.1
4535	9.5	202017.8	+0935.2	4625	8.7	203656.5	+0918.4	4714	9.3	205733.8	+0954.8	4804	8.5	211817.7	+0958.3
4536	9.0	202020.5	+0930.0	4626	8.7	203716.7	+0902.4	4715	9.5	205737.9	+0954.0	4805	8.3	211823.0	+0901.3
4537	9.5	202036.2	+0944.6	4627	9.1	203737.5	+0930.1	4716	9.5	205741.5	+0947.4	4806	9.1	211841.8	+0915.2
4538	9.4	202037.2	+0951.1	4628	9.0	203755.5	+0919.1	4717	9.4	205744.1	+0928.5	4807	9.5	211854.5	+0952.7
4539	9.0	202048.5	+0913.7	4629	9.5	203822.6	+0920.0	47							

+09 4826 21h21m

+09 5185 23h07m

4826 9.3 212127.5 +0907.9	4916 9.1 214454.4 +0943.3	5006 9.5 220654.6 +0913.1	5096 9.4 223723.6 +0929.0
4827 9.3 212141.5 +0921.0	4917 9.5 214508.4 +0943.7	5007 9.1 220706.8 +0950.4	5097 9.5 223819.0 +0901.9
4828 9.5 212154.8 +0939.4	4918 9.2 214517.1 +0908.6	5008 9.3 220748.6 +0907.9	5098 9.3 223824.1 +0930.8
4829 8.6 212222.5 +0929.0	4919 9.5 214543.4 +0927.3	5009 8.2 220827.2 +0944.7	5099 9.3 223834.8 +0901.5
4830 9.5 212302.5 +0910.7	4920 9.5 214634.4 +0913.0	5010 9.0 220835.2 +0920.4	5100 9.4 223844.5 +0913.2
4831 9.5 212324.8 +0953.6	4921 8.5 214647.9 +0943.3	5011 9.3 220901.1 +0946.6	5101 9.3 223845.2 +0943.7
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4833 9.5 212335.8 +0909.6	4923 9.3 214656.9 +0925.8	5013 9.4 220951.7 +0901.1	5103 9.2 224020.3 +0939.5
4834 8.0 212350.5 +0931.4	4924 8.8 214702.9 +0914.7	5014 9.5 221015.9 +0905.1	5104 8.3 224027.8 +0934.6
4835 9.4 212420.1 +0957.1	4925 9.5 214724.9 +0913.6	5015 9.5 221019.2 +0943.3	5105 9.4 224033.3 +0946.1
4836 9.0 212455.2 +0930.8	4926 9.3 214746.9 +0905.7	5016 8.7 221105.2 +0944.9	5106 8.7 224049.9 +0948.0
4837 9.1 212526.8 +0919.7	4927 9.3 214752.4 +0925.9	5017 9.0 221112.7 +0910.2	5107 9.4 224129.5 +0937.8
4838 8.2 212527.1 +0955.4	4928 9.5 214818.4 +0932.9	5018 9.5 221122.9 +0957.8	5108 9.0 224140.8 +0938.9
4839 9.0 212557.8 +0912.4	4929 9.5 214818.9 +0947.8	5019 8.2 221127.9 +0937.4	5109 8.2 224141.6 +0946.5
4840 8.3 212600.1 +0916.2	4930 8.0 214851.8 +0924.8	5020 8.7 221154.6 +0948.9	5110 9.5 224142.0 +0951.8
4841 8.8 212603.5 +0945.3	4931 9.1 214904.6 +0935.6	5021 9.5 221159.6 +0948.2	5111 6.8 224217.3 +0944.0
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4847 9.4 212759.9 +0906.8	4937 9.4 215012.2 +0953.4	5027 8.9 221448.6 +0922.5	5117 9.4 224359.6 +0901.7
4848 9.5 212852.5 +0935.9	4938 9.0 215033.5 +0909.4	5028 9.3 221458.2 +0948.9	5118 9.5 224403.6 +0939.5
4849 9.5 212855.4 +0914.6	4939 7.3 215035.5 +0945.7	5029 8.3 221505.0 +0954.6	5119 9.5 224409.5 +0957.1
4850 9.3 212857.4 +0917.5	4940 8.2 215037.8 +0926.9	5030 8.0 221522.9 +0912.7	5120 9.3 224458.9 +0918.5
4851 9.3 212857.8 +0924.5	4941 9.4 215049.4 +0953.4	5031 8.9 221528.6 +0912.4	5121 9.0 224501.8 +0932.3
4852 9.5 212911.5 +0922.2	4942 9.1 215057.9 +0942.2	5032 9.3 221530.9 +0933.6	5122 5.0 224504.8 +0904.7
4853 8.1 212912.4 +0908.0	4943 9.5 215106.4 +0929.4	5033 8.6 221536.1 +0959.0	5123 7.5 224506.8 +0938.5
4854 9.3 212939.8 +0938.7	4944 9.5 215127.4 +0929.0	5034 9.2 221632.6 +0914.6	5124 9.3 224515.6 +0952.6
4855 9.2 212944.5 +0913.5	4945 9.5 215132.4 +0910.2	5035 9.5 221632.9 +0924.6	5125 7.5 224518.8 +0926.7
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4858 9.4 213023.1 +0946.4	4948 7.5 215224.9 +0953.9	5038 9.2 221648.5 +0929.7	5128 9.5 224655.0 +0938.4
4859 9.0 213042.5 +0922.5	4949 9.5 215231.4 +0920.7	5039 9.4 221656.5 +0948.4	5129 9.0 224710.8 +0933.0
4860 9.3 213043.8 +0935.3	4950 9.5 215250.4 +0906.0	5040 7.7 221731.9 +0904.6	5130 9.0 224735.3 +0932.6
4861 6.7 213044.9 +0959.9	4951 9.3 215251.0 +0911.9	5041 9.5 221826.7 +0915.9	5131 9.3 224743.6 +0952.9
4862 8.0 213111.8 +0910.0	4952 8.8 215257.4 +0915.1	5042 9.1 221851.6 +0906.2	5132 8.6 224804.6 +0951.9
4863 9.3 213115.0 +0932.5	4953 9.0 215309.9 +0937.0	5043 9.5 221904.9 +0901.8	5133 9.2 224810.2 +0909.3
4864 9.5 213116.8 +0946.8	4954 9.4 215318.0 +0951.2	5044 9.3 221924.4 +0936.7	5134 9.4 224811.3 +0945.8
4865 8.0 213118.5 +0932.2	4955 9.5 215342.9 +0916.5	5045 9.5 222011.1 +0911.0	5135 9.2 224830.3 +0900.9
4866 9.0 213133.2 +0935.3	4956 9.1 215346.0 +0959.7	5046 9.2 222012.9 +0947.1	5136 9.0 224842.8 +0917.0
4867 7.8 213155.2 +0913.4	4957 9.5 215412.9 +0933.5	5047 9.5 222036.2 +0954.4	5137 9.1 224902.4 +0955.4
4868 9.3 213200.7 +0939.1	4958 9.5 215426.4 +0958.9	5048 8.5 222039.4 +0944.3	5138 9.5 225015.8 +0937.5
4869 9.5 213204.5 +0929.0	4959 9.5 215428.4 +0920.6	5049 9.2 222104.4 +0909.0	5139 8.8 225019.3 +0929.5
4870 9.2 213248.1 +0955.7	4960 9.5 215438.4 +0938.4	5050 9.3 222138.2 +0958.6	5140 7.7 225112.5 +0903.3
4871 8.6 213257.5 +0920.0	4961 9.5 215440.4 +0952.0	5051 9.3 222141.2 +0940.2	5141 9.5 225124.3 +0926.0
4872 7.5 213300.5 +0959.2	4962 8.9 215506.6 +0901.6	5052 9.4 222200.4 +0938.0	5142 9.5 225137.5 +0907.3
4873 9.5 213341.1 +0933.6	4963 9.5 215509.9 +0946.0	5053 8.9 222218.5 +0944.0	5143 8.9 225137.6 +0901.8
4874 8.9 213447.1 +0924.8	4964 9.0 215512.4 +0915.5	5054 8.5 222222.6 +0937.8	5144 9.5 225210.3 +0943.0
4875 9.1 213451.8 +0934.2	4965 9.4 215517.9 +0954.3	5055 7.8 222314.5 +0956.6	5145 9.3 225240.3 +0932.3
4876 9.4 213458.8 +0926.2	4966 9.4 215526.9 +0954.3	5056 8.8 222321.9 +0924.2	5146 9.5 225320.3 +0937.1
4877 8.5 213501.8 +0919.6	4967 9.1 215534.4 +0945.3	5057 9.1 222347.8 +0905.7	5147 8.5 225324.8 +0930.6
4878 9.3 213503.5 +0936.3	4968 9.5 215535.1 +0953.8	5058 9.3 222352.9 +0938.1	5148 9.5 225326.1 +0957.5
4879 9.1 213521.5 +0928.5	4969 9.2 215554.4 +0930.0	5059* 9.3 222429.9 +0947.8	5149 8.8 225406.1 +0957.7
4880 7.9 213530.8 +0933.0	4970 9.2 215602.5 +0911.5	5060 9.3 222515.2 +0909.7	5150 9.5 225448.8 +0939.2
4881 9.4 213539.2 +0944.1	4971 9.3 215603.1 +0901.7	5061 9.0 222540.4 +0939.2	5151 9.5 225450.0 +0949.9
4882 9.1 213546.1 +0946.9	4972 8.9 215616.2 +0907.7	5062 9.5 222546.2 +0955.9	5152 9.3 225453.8 +0910.0
4883 9.1 213546.5 +0951.2	4973 9.0 215627.4 +0930.9	5063 9.5 222614.6 +0947.9	5153 9.5 225547.8 +0944.4
4884 9.0 213550.5 +0942.0	4974 9.3 215653.9 +0924.2	5064 9.5 222719.6 +0931.1	5154 8.5 225735.8 +0928.8
4885 9.3 213556.5 +0959.5	4975 6.8 215722.9 +0932.5	5065 9.3 222721.7 +0938.8	5155 9.1 225739.8 +0902.5
4886 8.9 213600.1 +0950.9	4976 9.2 215732.9 +0928.0	5066 9.3 222737.5 +0949.6	5156 8.0 225809.3 +0939.5
4887 9.5 213613.3 +0914.8	4977 9.5 215735.9 +0934.6	5067 9.5 222746.3 +0956.5	5157 9.3 225838.0 +0935.3
4888 9.1 213615.3 +0947.9	4978 9.5 215755.9 +0949.2	5068 7.7 222826.5 +0935.6	5158 30.0 225922.2 +0945.7
4889 9.4 213623.5 +0951.5	4979 9.5 215757.3 +0926.7	5069 9.3 222853.2 +0946.5	5159 9.5 225936.8 +0935.7
4890 8.0 213658.3 +0914.6	4980 9.3 215802.0 +0914.3	5070 9.2 222913.7 +0910.8	5160 9.5 225949.3 +0911.5
4891 2.3 213705.1 +0913.2	4981 9.5 215813.4 +0950.2	5071 9.5 223008.3 +0951.4	5161 9.0 230041.8 +0915.5
4892 9.4 213706.0 +0956.0	4982 9.4 215816.2 +0924.0	5072 9.0 223027.9 +0902.5	5162 9.4 230056.3 +0930.8
4893 8.7 213709.5 +0923.5	4983 9.5 215838.9 +0922.5	5073 9.5 223050.8 +0956.7	5163 9.2 230102.3 +0916.0
4894 9.0 213721.9 +0914.0	4984 7.2 215902.3 +0923.4	5074 9.3 223109.2 +0906.5	5164 8.5 230103.1 +0948.5
4895 9.5 213730.8 +0933.5	4985 9.4 215948.9 +0914.4	5075 8.1 223109.5 +0951.4	5165 9.3 230145.1 +0949.8
4896 9.5 213916.8 +0948.4	4986 9.5 220004.4 +0923.5	5076 9.2 223121.6 +0948.9	5166 9.5 230145.2 +0928.6
4897 9.0 213934.9 +0938.0	4987 9.1 220044.6 +0954.8	5077 9.0 223134.6 +0901.0	5167 9.2 230145.4 +0907.7
4898 9.5 213959.9 +0933.9	4988 9.5 220054.9 +0922.5	5078 9.3 223136.9 +0921.1	5168 9.2 230218.5 +0954.5
4899 8.5 214052.4 +0910.7	4989 9.4 220054.9 +0944.4	5079 9.0 223145.5 +0911.6	5169 9.2 230239.0 +0909.5
4900 8.7 214059.3 +0959.3	4990 8.8 220111.6 +0929.7	5080 9.0 223205.9 +0948.2	5170 5.5 230242.8 +0922.6
4901 9.5 214124.9 +0923.2	4991 9.0 220133.9 +0947.1	5081 9.2 223207.5 +0912.8	5171 9.5 230248.8 +0945.8
4902 8.9 214156.6 +0919.9	4992 9.5 220216.9 +0931.5	5082 9.4 223314.5 +0940.6	5172 9.5 230332.6 +0951.5
4903 9.2 214201.4 +0917.5	4993 9.5 220218.9 +0948.6	5083 9.2 223318.5 +0945.8	5173 9.3 230406.6 +0930.0
4904 9.0 214207.9 +0912.2	4994 9.5 220223.2 +0907.2	5084 9.5 223333.6 +0900.0	5174 9.3 230412.0 +0944.5
4905 9.5 214230.3 +0933.1	4995 9.5 220257.9 +0901.3	5085 9.3 223341.5 +0928.1	5175 9.0 230425.0 +0944.7
4906 9.1 214241.2 +0943.6	4996 9.2 220333.2 +0904.7	5086 9.4 223343.0 +0930.7	5176 9.5 230438.0 +0946.8
4907 9.5 214243.9 +0954.2	4997 9.3 220343.4 +0954.5	5087 9.5 223350.5 +0920.7	5177 9.3 230512.8 +0900.1
4908 9.5 214252.4 +0925.9	4998 9.5 220419.1 +0949.2	5088 9.3 223418.6 +0906.5	5178 9.5 230516.8 +0911.1
4909 9.5 214319.9 +0912.4	4999 9.4 220455.5 +0953.8	5089 9.5 223431.2 +0927.6	5179 9.4 230526.9 +0959.8
4910 9.0 214335.4 +0936.3	5000 8.0 220459.9 +0928.0	5090 8.8 223432.9 +0946.2	5180 9.4 230543.9 +0918.2
4911 9.5 214345.1 +0959.5	5001 9.3 220502.5 +0959.3	5091 9.3 223500.1 +0929.8	5181 8.7 230550.6 +0952.9
4912 9.4 214400.1 +0948.8	5002 9.5 220531.5 +0929.2	5092 9.5 223510.6 +0953.5	5182 9.1 230644.8 +0922.3
4913 7.4 214400.8 +0941.7	5003 9.5 220540.7 +0928.6	5093 9.3 223536.0 +0951.3	5183 9.1 230648.5 +0941.5
4914 9.0 214416.4 +0916.4	5004 9.5 220639.2 +0937.4	5094 9.3 223551.7 +0912.0	5184 9.1 230724.0 +0956.7
4915 9.5 214430.9 +0944.4	5005 9.0 220640.9 +0921.8	5095 9.5 223601.6 +0953.4	5185 9.5 230747.6 +0949.5

+09 5186 23h07m

5186	9.4	230752.3	+0900.4	5276	8.0	233752.3	+0917.3	42	9.0	01626.4	+0803.8	132	9.5	04921.3	+0854.6
5187	9.5	230802.4	+0935.0	5277	6.5	233801.3	+0922.9	43	8.9	01627.0	+0813.1	133	9.0	04958.9	+0811.1
5188	9.4	230825.3	+0936.2	5278	9.2	233813.8	+0954.4	44	9.4	01748.5	+0820.4	134	8.7	04939.6	+0844.7
5189	9.3	230920.7	+0942.9	5279	8.9	234009.0	+0933.8	45	8.8	01751.2	+0815.4	135	9.5	04943.7	+0851.3
5190	9.3	230922.0	+0928.1	5280	9.0	234039.3	+0902.7	46	9.5	01813.7	+0830.7	136	8.4	04956.1	+0844.1
5191	8.5	230929.5	+0948.7	5281	8.7	234044.8	+0921.1	47	9.3	01830.8	+0833.2	137	9.1	05029.0	+0829.6
5192	9.4	231002.2	+0959.7	5282	9.1	234050.3	+0909.3	48	9.2	01836.3	+0805.7	138	9.5	05119.2	+0838.6
5193	9.3	231006.0	+0928.3	5283	8.7	234144.8	+0924.6	49	9.4	01836.9	+0858.1	139	9.4	05131.8	+0819.7
5194	9.3	231019.6	+0925.2	5284	9.3	234155.7	+0958.1	50	9.0	01915.7	+0820.5	140	9.5	05136.0	+0810.0
5195	9.3	231037.7	+0905.8	5285	9.0	234323.1	+0949.9	51	8.0	01924.0	+0831.1	141	8.8	05147.1	+0834.2
5196	9.0	231038.0	+0945.2	5286	9.4	234366.0	+0901.6	52	9.5	01939.4	+0839.7	142	9.5	05148.0	+0809.2
5197	9.4	231056.5	+0917.3	5287	9.5	234410.8	+0914.1	53	8.6	01943.1	+0821.2	143	9.1	05222.9	+0803.4
5198	9.1	231200.0	+0954.3	5288	9.5	234417.2	+0958.4	54	9.5	02008.5	+0825.9	144	9.5	05225.4	+0844.5
5199	9.1	231219.3	+0901.8	5289	9.5	234457.8	+0907.5	55	9.2	02013.2	+0835.1	145	9.0	05225.5	+0826.9
5200	9.2	231242.0	+0927.9	5290	9.5	234542.8	+0913.1	56	9.2	02014.1	+0841.7	146	9.1	05300.0	+0818.1
5201	8.7	231243.0	+0911.4	5291	9.5	234641.8	+0950.3	57	9.5	02025.0	+0813.3	147	8.2	05308.2	+0842.3
5202	9.3	231308.7	+0913.9	5292	9.5	234659.0	+0903.0	58	8.8	02138.8	+0851.0	148	9.4	05313.2	+0852.0
5203	9.4	231318.0	+0942.7	5293	9.5	234711.3	+0958.5	59	9.3	02154.0	+0834.8	149	9.3	05322.6	+0848.0
5204	9.5	231332.7	+0917.1	5294	9.2	234733.8	+0937.1	60	9.3	02213.0	+0814.6	150	9.5	05328.8	+0809.3
5205	8.6	231336.0	+0923.9	5295	9.5	234742.3	+0911.3	61	8.0	02221.7	+0853.9	151	9.4	05337.0	+0852.8
5206	8.3	231337.5	+0933.0	5296	9.5	234745.8	+0933.6	62	8.4	02225.1	+0800.0	152	9.3	05356.9	+0806.9
5207	9.5	231338.7	+0956.8	5297	8.6	234821.1	+0949.7	63	7.9	02335.2	+0831.0	153	8.0	05409.0	+0857.3
5208	9.5	231357.2	+0918.5	5298	9.2	234847.3	+0920.0	64	7.5	02408.2	+0821.3	154	9.3	05411.6	+0854.6
5209	9.4	231513.0	+0905.8	5299	9.1	234849.3	+0949.3	65	9.5	02413.1	+0832.1	155	9.0	05414.0	+0849.0
5210	9.1	231514.0	+0934.0	5300	7.5	234856.3	+0913.4	66	9.4	02449.4	+0832.2	156	9.5	05424.1	+0828.9
5211	9.4	231556.5	+0914.9	5301	9.5	234905.8	+0950.4	67	9.4	02457.8	+0859.6	157	9.5	05426.0	+0910.3
5212	9.4	231620.4	+0917.5	5302	9.5	234921.3	+0958.7	68	9.5	02524.6	+0844.6	158	7.4	05458.1	+0802.1
5213	9.5	231711.4	+0920.6	5303	9.2	235015.3	+0926.0	69	8.9	02537.5	+0806.8	159	7.2	05503.3	+0820.7
5214	9.5	231730.4	+0916.7	5304	9.5	235023.3	+0928.4	70	9.5	02546.3	+0804.9	160	9.4	05542.4	+0812.2
5215	8.9	231731.0	+0943.8	5305	9.5	235026.6	+0900.8	71	9.1	02555.4	+0821.0	161	8.8	05552.7	+0800.4
5216	8.7	231734.2	+0950.4	5306	9.5	235035.3	+0951.7	72	8.9	02558.5	+0858.1	162	9.5	05556.3	+0851.5
5217	9.5	231951.7	+0939.7	5307	8.7	235054.8	+0901.3	73	9.5	02613.8	+0859.1	163	8.9	05607.0	+0815.2
5218	9.5	232000.3	+0929.3	5308	9.5	235059.8	+0924.9	74	8.6	02700.6	+0816.6	164	9.3	05622.8	+0837.1
5219	9.5	232101.3	+0913.1	5309	9.5	235153.1	+0959.8	75	9.4	02701.0	+0823.4	165	9.0	05630.2	+0813.4
5220	8.8	232123.7	+0956.7	5310	9.5	235152.8	+0939.9	76	9.5	02750.0	+0854.0	166	8.2	05704.4	+0848.9
5221	9.1	232128.5	+0904.6	5311	9.5	235229.8	+0900.9	77	9.5	02822.9	+0855.0	167	9.5	05722.9	+0803.9
5222	9.3	232148.2	+0916.0	5312	9.5	235237.0	+0949.0	78	9.5	02838.6	+0805.5	168	9.5	05728.8	+0844.4
5223	9.5	232237.0	+0909.5	5313	9.0	235456.6	+0959.0	79	9.5	02853.0	+0853.2	169	9.3	05735.7	+0853.5
5224	8.5	232239.0	+0927.8	5314	9.0	235500.5	+0958.5	80	7.9	02854.9	+0805.0	170	9.4	05747.8	+0857.2
5225	9.5	232239.3	+0931.0	5315	9.3	235627.3	+0938.5	81	8.9	02952.0	+0812.3	171	9.3	05819.4	+0833.8
5226	8.3	232322.4	+0933.3	5316	9.5	235711.3	+0909.7	82	8.8	03007.0	+0850.6	172	9.3	05834.2	+0857.1
5227	9.4	232324.2	+0955.0	5317	9.1	235737.8	+0935.1	83	9.5	03030.3	+0827.1	173	7.5	05908.3	+0805.7
5228	9.5	232332.0	+0909.8	5318	9.0	235746.3	+0937.5	84	8.8	03035.8	+0824.4	174	9.4	05937.8	+0849.3
5229	9.5	232420.5	+0931.1	5319	9.0	235835.8	+0903.3	85	9.5	03056.7	+0837.0	175	9.5	05938.0	+0833.1
5230	9.5	232421.8	+0924.0	5320	9.2	235921.3	+0915.2	86	8.8	03118.2	+0856.8	176	8.8	06052.0	+0836.5
5231	9.0	232506.4	+0901.8	5321	9.0	235968.1	+0954.1	87	9.5	03134.0	+0840.0	177	7.5	10122.0	+0858.1
5232	9.5	232510.8	+0913.3	5322	9.3	235956.9	+0900.0	88	9.5	03140.6	+0815.1	178	9.5	10128.7	+0845.5
5233	9.5	232534.4	+0949.5	5323	9.5	235957.6	+0909.5	89	9.2	03150.6	+0820.8	179	9.3	10144.4	+0815.7
5234	9.4	232539.0	+0934.1	1	9.4	00026.9	+0821.2	90	9.5	03223.2	+0837.1	180	9.5	10219.4	+0851.5
5235	9.5	232546.0	+0937.1	2	9.5	00114.3	+0827.0	91	9.5	03253.7	+0846.7	181	9.5	10233.0	+0818.9
5236	9.1	232604.4	+0913.0	3	9.4	00121.2	+0812.4	92	9.5	03315.9	+0807.0	182	9.4	10242.1	+0844.7
5237	9.5	232623.9	+0950.9	4	9.4	00130.0	+0803.3	93	8.7	03322.0	+0834.7	183	7.2	10318.7	+0846.4
5238	9.5	232627.3	+0957.9	5	8.9	00146.7	+0848.6	94	7.0	03342.9	+0833.5	184	9.3	10409.6	+0819.1
5239	9.5	232637.3	+0952.3	6	9.5	00208.1	+0824.5	95	9.5	03350.0	+0806.3	185	9.2	10438.1	+0811.2
5240	9.4	232643.7	+0944.3	7	9.5	00209.5	+0811.9	96	9.4	03354.2	+0806.6	186	9.5	10514.0	+0851.0
5241	9.5	232647.2	+0940.8	8	9.1	00232.2	+0823.6	97	8.9	03400.2	+0849.9	187	8.2	10606.5	+0812.5
5242	9.3	232658.3	+0959.7	9	9.4	00234.8	+0818.3	98	9.5	03417.3	+0842.4	188	9.2	10625.4	+0851.9
5243	9.0	232658.9	+0951.9	9a	9.4	00237.7	+0803.2	99	8.8	03475.0	+0823.2	189	9.5	10647.5	+0947.1
5244	9.4	232715.8	+0900.2	10	9.1	00333.7	+0801.2	100	9.3	03505.0	+0803.6	190	9.0	10706.4	+0801.5
5245	9.5	232756.8	+0920.0	11	9.4	00343.8	+0811.3	101	8.5	03530.8	+0813.1	191	9.3	10706.5	+0844.6
5246	9.5	232758.3	+0926.9	12	9.1	00351.9	+0817.2	102	9.3	03630.7	+0845.5	192	7.7	10715.8	+0858.2
5247	9.3	232758.7	+0902.3	13	7.7	00421.3	+0820.3	103	9.5	03720.0	+0814.2	193	9.2	10729.9	+0801.0
5248	9.5	232835.2	+0916.7	14	9.4	00511.8	+0821.5	104	9.3	03924.9	+0859.9	194	9.5	10741.1	+0839.6
5249	9.4	232838.9	+0958.0	15	9.5	00512.2	+0843.1	105	9.5	03940.9	+0855.9	195	9.5	10759.2	+0820.2
5250	9.0	232852.7	+0944.3	16	9.4	00549.4	+0812.2	106	9.5	03954.0	+0803.9	196	9.5	10759.5	+0824.4
5251	9.5	233020.7	+0941.9	17	7.9	00552.3	+0807.0	107	9.3	03959.9	+0859.7	197	8.5	10803.8	+0800.1
5252	9.3	233051.7	+0933.6	18	9.5	00612.2	+0854.0	108	9.4	04026.6	+0831.0	198	9.5	10812.3	+0816.0
5253	9.5	233103.4	+0919.9	19	6.0	00731.7	+0800.9	109	9.4	04035.0	+0851.2	199	9.1	10815.5	+0854.3
5254	8.8	233224.9	+0915.8	20	9.0	00756.2	+0856.7	110	7.7	04039.3	+0825.7	200	8.5	10853.2	+0852.2
5255	9.5	233249.3	+0917.2	21	9.5	00827.0	+0800.4	111	9.3	04111.2	+0848.9	201	9.5	10915.9	+0848.2
5256	9.3	233257.8	+0956.8	22	9.0	00844.0	+0815.3	112	9.4	04130.5	+0833.8	202	9.3	10936.4	+0807.7
5257	9.5	233259.8	+0949.1	23	9.4	00925.9	+0858.5	113	9.3	04226.8	+0827.9	203	9.0	11000.0	+0810.0
5258	8.1	233310.0	+0935.3	24	7.0	00956.4	+0804.1	114	9.5	04235.8	+0857.9	204	9.5	11031.4	+0816.4
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+08 1298 6h14m

+08 1657 6h59m

1298 8.8 61433.0 +0845.2	1388 8.7 62538.9 +0826.5	1478 9.5 63731.4 +0829.1	1568 7.5 64819.4 +0855.3
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1301 9.4 61511.6 +0834.9	1391 9.5 62602.6 +0835.2	1481 9.0 63753.2 +0841.9	1571 9.5 64833.5 +0828.2
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1322 9.5 61704.2 +0826.7	1412 9.5 62838.2 +0829.4	1502 9.1 64011.5 +0826.2	1592 9.5 65035.4 +0832.0
1323 9.5 61705.1 +0815.0	1413 9.5 62845.8 +0857.2	1503 9.5 64024.3 +0853.2	1593 9.3 65048.1 +0809.3
1324 8.8 61725.2 +0805.2	1414* 9.4 62901.9 +0805.7	1504 9.4 64025.0 +0841.2	1594 9.0 65057.9 +0848.0
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1331 9.5 61814.9 +0844.2	1421 9.4 63012.5 +0802.0	1511 9.4 64121.7 +0813.2	1601 9.1 65227.7 +0856.7
1332 9.3 61826.8 +0803.6	1422 8.4 63032.5 +0836.6	1512 9.3 64134.4 +0844.5	1602 9.3 65242.6 +0858.6
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1338 9.2 61906.7 +0806.0	1428 9.5 63117.2 +0813.4	1518 9.3 64200.2 +0825.2	1608 8.5 65329.8 +0850.1
1339 9.5 61912.6 +0829.4	1429 9.3 63120.6 +0853.7	1519 9.4 64211.9 +0857.4	1609 9.5 65331.1 +0849.8
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1348 9.5 62001.1 +0832.7	1438 8.5 63229.0 +0816.9	1528 9.5 64305.3 +0823.9	1618 8.3 65432.4 +0819.6
1349 8.7 62001.9 +0820.6	1439 9.1 63244.0 +0837.7	1529 9.2 64317.1 +0837.9	1619 8.2 65435.9 +0852.7
1350 8.5 62017.2 +0846.5	1440 9.3 63245.1 +0836.6	1530 9.0 64321.9 +0803.9	1620 9.3 65442.1 +0801.1
1351 9.5 62020.0 +0802.4	1441 9.5 63251.7 +0814.2	1531 8.8 64325.1 +0840.9	1621 9.4 65454.4 +0824.7
1352 8.8 62030.8 +0838.8	1442 9.5 63256.0 +0809.0	1532 9.5 64357.8 +0852.5	1622 8.8 65500.8 +0847.1
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1358 9.1 62139.3 +0805.4	1448 9.2 63318.6 +0802.0	1538 9.2 64422.5 +0851.4	1628 9.3 65531.6 +0857.4
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1361 9.5 62145.9 +0839.0	1451 9.3 63346.9 +0836.4	1541 8.2 64434.0 +0804.2	1631 9.3 65607.6 +0853.5
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1369 8.5 62227.6 +0845.7	1459 8.4 63448.4 +0859.3	1549 9.5 64537.6 +0825.0	1639 9.3 65716.8 +0838.0
1370 9.5 62244.9 +0816.7	1460 9.5 63519.7 +0809.3	1550 9.0 64538.7 +0826.2	1640 8.8 65733.8 +0859.2
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1375 9.5 62320.3 +0847.7	1465 9.3 63616.4 +0841.2	1555 9.5 64621.4 +0844.3	1645 9.3 65815.8 +0804.0
1376 9.5 62325.0 +0825.6	1466 8.8 63616.9 +0833.5	1556 9.1 64652.8 +0822.8	1646 9.5 65822.4 +0817.9
1377 9.2 62344.8 +0818.3	1467 9.4 63623.5 +0812.8	1557 8.2 64708.1 +0841.9	1647 9.1 65836.6 +0847.1
1378 9.5 62353.0 +0830.4	1468 9.5 63625.7 +0857.1	1558 9.0 64716.8 +0813.6	1648 9.0 65838.3 +0846.6
1379 7.5 62422.9 +0855.2	1469 8.5 63628.8 +0827.4	1559 9.3 64719.7 +0827.8	1649 9.3 65841.0 +0809.0
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1381 9.2 62450.4 +0840.1	1471 9.0 63636.1 +0835.7	1561 9.5 64734.5 +0853.9	1651 8.4 65848.1 +0856.3
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1386 9.5 62459.8 +0828.2	1476 9.3 63724.5 +0841.4	1566 9.4 64803.2 +0857.5	1656 9.5 65921.7 +0834.7
1387 9.5 62519.9 +0847.2	1477 8.3 63726.6 +0858.3	1567 9.3 64817.6 +0836.4	1657 9.5 65936.8 +0802.5

+08 1658 6h59m

+08 2015 8h07m

1658	9.3	65938.3	+0853.4	1748	8.8	71432.1	+0830.4	1837	8.3	73119.8	+0809.5	1926	8.8	75007.3	+0813.0
1659	8.8	70014.4	+0850.2	1749	9.3	71438.6	+0819.3	1838	9.0	73126.5	+0802.5	1927	9.5	75050.0	+0813.1
1660	9.1	70015.7	+0846.6	1750	8.8	71442.6	+0825.1	1839	9.0	73126.9	+0810.4	1928	7.5	75100.5	+0850.8
1661	9.3	70017.7	+0846.8	1751	9.3	71509.4	+0829.9	1840	9.5	73130.7	+0855.1	1929	8.6	75104.7	+0854.9
1662	8.6	70025.3	+0841.2	1752	9.0	71545.8	+0850.4	1841	8.3	73156.4	+0810.1	1930	9.5	75105.5	+0845.6
1663	7.6	70031.1	+0806.2	1753	9.3	71550.8	+0855.6	1842	8.5	73200.3	+0857.0	1931	8.7	75111.7	+0832.6
1664	9.3	70056.7	+0823.6	1754	9.5	71552.7	+0857.7	1843	9.5	73202.7	+0822.5	1932	9.5	75120.6	+0827.9
1665	9.4	70057.2	+0806.6	1755	9.3	71614.0	+0853.7	1844	9.5	73211.5	+0831.3	1933	8.7	75121.2	+0821.1
1666	9.3	70123.3	+0800.4	1756	8.5	71618.1	+0825.7	1845	9.3	73218.3	+0829.3	1934	9.5	75148.7	+0854.7
1667	9.3	70126.2	+0804.7	1757	9.5	71626.9	+0835.4	1846	9.0	73255.7	+0843.7	1935	9.5	75156.3	+0847.0
1668	9.2	70141.5	+0802.2	1758	8.5	71627.2	+0810.0	1847	9.5	73300.8	+0852.7	1936	9.5	75156.8	+0849.5
1669	8.6	70141.5	+0850.0	1759	9.5	71648.8	+0831.4	1847a	30.0	73329.0	+0843.0	1937	9.5	75219.3	+0804.1
1670	9.2	70148.4	+0821.4	1760	9.5	71657.1	+0822.6	1848	8.3	73331.7	+0845.8	1938	9.5	75224.9	+0835.1
1671	9.4	70158.1	+0838.9	1761	9.5	71700.5	+0853.8	1849	9.4	73417.9	+0822.1	1939	9.1	75229.1	+0829.1
1672	9.5	70158.2	+0807.2	1762	9.1	71737.1	+0806.0	1850	9.2	73436.4	+0821.0	1940	9.5	75251.0	+0852.4
1673	9.5	70206.9	+0822.1	1763	9.1	71739.3	+0807.2	1851	9.3	73436.5	+0816.8	1941	8.5	75258.8	+0818.8
1674	8.4	70210.8	+0806.4	1764	9.4	71748.0	+0802.2	1852	9.4	73446.0	+0823.3	1942	9.4	75300.8	+0829.5
1675	9.4	70211.3	+0825.3	1765	9.5	71754.1	+0804.5	1853	8.5	73546.7	+0837.0	1943	9.5	75308.9	+0856.4
1676	8.5	70231.0	+0820.9	1766	9.5	71800.2	+0855.5	1854	9.4	73551.6	+0802.7	1944	9.4	75310.6	+0842.2
1677	9.4	70241.3	+0834.7	1767	9.0	71813.3	+0804.2	1855	9.5	73558.5	+0810.5	1945	7.5	75322.7	+0846.8
1678	9.5	70244.6	+0855.9	1768	8.6	71833.5	+0838.1	1856	9.3	73600.0	+0806.5	1946	9.3	75323.0	+0816.3
1679	9.4	70245.0	+0823.7	1769	9.3	71834.3	+0806.7	1857	9.5	73621.6	+0829.2	1947	8.9	75359.5	+0811.0
1680	9.0	70253.7	+0842.6	1770	9.2	71835.6	+0854.7	1858	9.3	73623.9	+0858.1	1948	9.4	75412.2	+0843.9
1681	9.5	70256.1	+0809.4	1771	8.9	71848.0	+0804.5	1859	9.5	73624.0	+0821.3	1949	8.7	75418.8	+0847.1
1682	9.5	70301.0	+0815.3	1772	8.6	71850.7	+0818.3	1860	8.5	73701.7	+0854.8	1950	9.3	75443.9	+0834.6
1683	9.5	70316.8	+0829.5	1773	9.0	71858.1	+0853.6	1861	9.5	73730.5	+0821.6	1951	9.5	75511.7	+0848.0
1684	9.5	70350.4	+0811.8	1774	3.0	71916.9	+0834.8	1862	8.7	73737.6	+0806.6	1952	9.3	75518.7	+0807.6
1685	9.5	70403.1	+0803.0	1775	8.8	71931.2	+0837.8	1863	8.1	73744.9	+0804.9	1953	8.9	75528.7	+0843.2
1686	9.5	70416.2	+0816.8	1776	9.5	71943.0	+0837.0	1864	9.3	73811.7	+0810.8	1954	9.5	75544.3	+0806.7
1687	8.7	70424.9	+0823.8	1777	9.4	71944.0	+0817.1	1865	8.6	73828.7	+0800.5	1955	9.5	75553.1	+0805.0
1688	9.5	70425.1	+0802.0	1778	9.5	71949.0	+0845.5	1866	9.0	73832.9	+0858.4	1956	9.4	75607.3	+0841.3
1689	9.4	70429.7	+0841.7	1779	9.2	72018.7	+0844.2	1867	9.5	73846.0	+0833.7	1957	9.2	75607.3	+0828.7
1690	9.5	70436.2	+0818.2	1780	8.2	72044.3	+0848.4	1868	9.5	73858.2	+0845.5	1958	8.5	75611.4	+0840.0
1691	9.4	70439.0	+0850.6	1781	8.2	72055.5	+0813.2	1869	9.1	73918.3	+0854.5	1959	9.0	75627.6	+0804.8
1692	9.5	70443.0	+0807.6	1782	9.3	72125.5	+0800.8	1870	9.1	73922.5	+0800.3	1960	9.4	75728.6	+0801.6
1693	9.0	70450.1	+0853.1	1783	9.5	72129.4	+0809.3	1871	8.7	73923.0	+0842.8	1961	9.5	75731.8	+0830.7
1694	9.5	70456.3	+0801.1	1784	9.3	72142.8	+0840.7	1872	9.3	73930.1	+0820.0	1962	9.4	75733.1	+0805.8
1695	9.4	70508.0	+0810.4	1785	8.0	72145.2	+0808.2	1873	9.3	73932.7	+0826.9	1963	8.0	75734.8	+0836.4
1696	8.9	70509.4	+0805.3	1786	9.2	72211.7	+0833.1	1874	8.8	73934.4	+0847.6	1964	8.7	75750.7	+0839.9
1697	8.7	70524.4	+0847.5	1787	9.5	72221.0	+0833.6	1875	9.0	73956.7	+0829.0	1965	9.4	75754.9	+0857.1
1698	8.7	70544.0	+0826.5	1788	9.5	72224.1	+0841.1	1876	9.5	74019.5	+0827.7	1966	9.2	75819.3	+0827.4
1699	9.1	70550.5	+0815.6	1789	8.0	72237.7	+0800.8	1877	9.3	74032.0	+0805.2	1967	9.5	75821.4	+0811.0
1700	9.4	70553.7	+0815.7	1790	9.3	72245.0	+0857.6	1878	9.3	74049.6	+0852.2	1968	9.5	75835.4	+0812.0
1701	8.9	70554.2	+0839.5	1791	7.8	72303.2	+0851.2	1879	9.2	74103.8	+0811.3	1969	9.3	75940.9	+0812.6
1702	9.3	70555.1	+0828.0	1792	8.6	72310.6	+0811.9	1880	9.3	74115.2	+0802.2	1970	9.1	75953.5	+0826.3
1703	9.5	70556.8	+0840.0	1793	9.3	72311.5	+0801.1	1881	9.5	74119.7	+0859.7	1971	8.5	80002.1	+0807.9
1704	9.5	70559.7	+0843.6	1794	9.5	72343.0	+0847.8	1882	9.5	74149.5	+0839.5	1972	9.5	80004.2	+0822.3
1705	9.3	70609.0	+0830.0	1795	8.8	72345.7	+0825.2	1883	8.2	74150.7	+0832.8	1973	9.5	80018.8	+0841.5
1706	9.4	70614.6	+0836.9	1796	9.1	72400.2	+0805.2	1884	9.4	74158.7	+0854.3	1974	8.7	80024.7	+0838.8
1707	9.5	70628.1	+0830.3	1797	9.2	72401.3	+0827.5	1885	9.4	74201.6	+0827.4	1975	9.1	80031.4	+0800.3
1708	8.2	70641.9	+0816.6	1798	8.9	72409.7	+0801.2	1886	9.4	74202.2	+0819.6	1976	9.1	80059.6	+0817.7
1709	9.4	70716.5	+0857.8	1799	9.3	72425.7	+0840.9	1887	9.4	74207.4	+0858.0	1977	9.1	80103.1	+0852.6
1710	8.4	70721.8	+0837.9	1799a	9.5	72432.0	+0835.0	1888	9.3	74209.5	+0800.8	1978	9.1	80103.2	+0808.8
1711	9.3	70728.9	+0808.4	1800	30.0	72450.8	+0837.8	1889	8.4	74215.6	+0819.4	1979	9.1	80106.5	+0814.6
1712	6.8	70747.5	+0813.6	1801	8.5	72453.4	+0857.8	1890	8.8	74227.0	+0856.7	1980	7.8	80112.4	+0827.6
1713	9.5	70748.3	+0807.8	1802	9.5	72456.4	+0821.3	1891	9.5	74308.9	+0840.1	1981	8.6	80130.9	+0858.9
1714	8.4	70805.4	+0828.0	1803	9.5	72457.1	+0822.3	1892	8.7	74310.4	+0807.5	1982	9.5	80140.1	+0852.1
1715	9.1	70809.7	+0804.4	1804	9.5	72509.8	+0812.6	1893	9.5	74314.5	+0827.0	1983	9.2	80144.1	+0840.2
1716	9.5	70825.3	+0842.0	1805	9.5	72510.2	+0842.2	1894	9.5	74316.2	+0805.5	1984	9.5	80202.7	+0804.0
1717	9.5	70844.2	+0829.5	1806	9.5	72518.4	+0824.3	1895	9.0	74339.1	+0856.1	1985	9.3	80251.3	+0814.3
1718	8.7	70859.5	+0823.5	1807	8.8	72521.2	+0816.7	1896	9.5	74352.6	+0801.6	1986	9.5	80323.3	+0838.6
1719	9.5	70918.4	+0800.3	1808	9.3	72538.0	+0816.3	1897	9.5	74356.0	+0846.7	1987	9.0	80335.2	+0850.4
1720	9.0	70936.2	+0853.0	1809	9.5	72554.8	+0834.8	1898	9.4	74403.5	+0800.5	1988	9.5	80348.9	+0809.7
1721	9.3	70946.2	+0804.7	1810	9.0	72604.1	+0813.4	1899	9.5	74423.1	+0804.9	1989	8.9	80406.6	+0839.3
1722	8.7	70947.1	+0823.9	1811	9.0	72605.9	+0832.8	1900	9.5	74423.2	+0849.3	1990	9.5	80432.0	+0822.2
1723	8.5	70953.5	+0803.1	1812	9.5	72614.7	+0808.3	1901	9.5	74427.7	+0809.3	1991	9.5	80433.2	+0812.4
1724	9.5	70959.7	+0827.2	1813	9.5	72628.7	+0840.2	1902	8.8	74451.7	+0826.9	1992	9.5	80453.5	+0830.8
1725	9.4	71003.3	+0842.4	1814	9.2	72653.0	+0847.1	1903	9.2	74455.4	+0822.8	1993	9.3	80506.1	+0823.9
1726	9.0	71006.2	+0823.0	1815	9.5	72725.7	+0801.2	1904	9.0	74521.7	+0833.3	1994	9.5	80514.4	+0846.9
1727	9.2	71010.0	+0839.9	1816	8.2	72727.8	+0850.2	1905	9.5	74530.9	+0822.1	1995	9.5	80515.0	+0802.6
1728	9.3	71010.4	+0847.5	1817	9.5	72740.5	+0816.8	1906	9.5	74600.1	+0805.3	1996	9.2	80574.1	+0810.7
1729	9.4	71014.6	+0832.4	1818	9.5	72807.0	+0832.3	1907	9.5	74611.3	+0853.9	1997D	9.5	80576.1	+0833.5
1730	9.5	71020.8	+0804.4	1819	9.5	72807.3	+0846.5	1908	9.2	74636.6	+0816.9	1998	9.2	80577.5	+0847.8
1731	9.3	71023.5	+0841.9	1820	8.6	72820.7	+0806.3	1909	9.3	74636.6	+0823.0	1999	9.0	80577.6	+0836.2
1732	9.2	71028.3	+0858.8	1821	9.0	72839.9	+0850.2	1910	9.3	74646.5	+0820.7				

+08 2016 8h07m

+08 2373 10h23m

2016 9.5 80759.9 +0829.1	2105 9.3 83613.1 +0834.2	2194 9.5 90826.0 +0848.8	2284 9.0 94609.3 +0809.9
2017 8.7 80819.6 +0808.9	2106 9.2 83613.2 +0827.8	2195 9.0 90902.7 +0850.9	2285 7.2 94626.8 +0845.4
2018 9.5 80826.1 +0829.1	2107 9.3 83627.6 +0312.3	2196 9.3 90905.4 +0841.9	2286 9.0 94752.8 +0820.7
2019 9.4 80843.2 +0803.0	2108 9.3 83630.9 +0351.8	2197 7.8 90946.5 +0858.2	2287 9.0 94754.3 +0846.4
2020 9.3 80908.4 +0841.1	2109 9.0 83637.1 +0347.9	2198 9.5 91004.4 +0851.5	2288 9.2 94802.8 +0823.4
2021 9.5 80911.0 +0827.7	2110 8.8 83643.2 +0836.0	2199 7.2 91009.2 +0833.4	2289 7.5 94815.7 +0823.1
2022 9.5 80917.8 +0817.7	2111 9.5 83656.4 +0835.6	2200 8.0 91024.0 +0850.8	2290 9.5 94943.2 +0813.4
2023 8.9 80932.2 +0808.3	2112 9.0 83703.7 +0809.7	2201 9.0 91058.0 +0845.7	2291 9.4 94959.3 +0858.6
2024 9.5 81004.1 +0814.6	2113 8.8 83822.4 +0820.2	2202 9.0 91145.7 +0813.0	2292 9.3 95022.4 +0818.3
2025 9.5 81022.8 +0813.5	2114 9.2 83853.5 +0835.5	2203 8.5 91146.7 +0852.8	2293 9.5 95045.9 +0858.6
2026 9.2 81038.9 +0837.1	2115 9.5 83914.1 +0848.3	2204 9.5 91204.4 +0802.4	2294 9.5 95114.8 +0855.4
2027 9.2 81144.5 +0817.1	2116 8.2 83930.4 +0837.6	2205 8.5 91215.0 +0847.4	2295 9.5 95115.9 +0835.6
2028 9.5 81157.4 +0921.9	2117 9.2 83947.4 +0847.2	2206 9.5 91249.4 +0828.3	2296 8.7 95128.3 +0807.0
2029 9.5 81202.3 +0857.5	2118 9.2 83952.2 +0851.1	2207 9.0 91257.7 +0847.3	2297 9.5 95140.4 +0803.0
2030 9.1 81204.3 +0803.1	2119 9.5 83956.1 +0851.0	2208 9.0 91308.0 +0852.9	2298 9.5 95147.9 +0823.7
2031 9.3 81216.2 +0804.1	2120 9.5 84007.7 +0847.6	2209 9.5 91325.4 +0816.1	2299 9.0 95217.3 +0837.4
2032 7.5 81234.7 +0827.7	2121 9.2 84008.6 +0844.1	2210 8.4 91359.4 +0849.8	2300 9.5 95221.4 +0838.4
2033 9.0 81242.3 +0857.4	2122 9.1 84058.4 +0859.6	2211 8.8 91449.7 +0801.9	2301 5.0 95232.9 +0844.3
2034 9.5 81305.0 +0810.2	2123 9.5 84108.6 +0837.2	2212 9.5 91506.8 +0846.1	2302 9.3 95303.5 +0817.7
2034# 9.5 81335.9 +0836.2	2124 9.0 84124.3 +0834.0	2213 9.0 91537.3 +0859.1	2303 8.9 95314.5 +0854.7
2035 9.5 81349.2 +0845.8	2125 9.5 84132.8 +0827.8	2214 9.5 91541.4 +0825.1	2304 9.5 95316.9 +0831.5
2036 9.2 81401.4 +0835.2	2126 9.0 84202.5 +0804.8	2215 7.3 91548.0 +0819.9	2305 9.3 95342.3 +0820.5
2037 8.6 81416.2 +0806.0	2127 8.5 84215.7 +0847.5	2216 9.5 91715.1 +0804.5	2306 9.5 95346.0 +0825.8
2038 9.3 81417.0 +0816.8	2128 9.2 84218.3 +0845.3	2217 9.5 91741.4 +0833.4	2307 9.5 95401.8 +0855.2
2039 9.5 81432.9 +0838.6	2129 9.3 84230.1 +0855.8	2218 9.5 91813.7 +0842.9	2308 9.5 95437.3 +0846.3
2040 9.2 81449.7 +0815.8	2130 9.0 84244.0 +0816.4	2219 9.3 91834.6 +0857.5	2309 9.1 95447.8 +0835.4
2041 9.5 81454.8 +0832.1	2131 9.2 84254.9 +0823.6	2220 8.5 91852.4 +0818.3	2310 9.0 95511.3 +0825.0
2042 8.5 81511.1 +0805.5	2132 8.2 84327.7 +0851.7	2221 9.3 91919.4 +0816.5	2311 8.2 95538.2 +0856.2
2043 8.5 81533.3 +0811.8	2133 9.5 84400.6 +0855.9	2222 9.3 91929.6 +0804.8	2312 9.5 95552.0 +0832.4
2044 9.1 81557.0 +0853.6	2134 6.8 84429.3 +0835.8	2223 9.5 91936.9 +0807.2	2313 9.3 95623.7 +0811.5
2045 8.8 81558.2 +0800.0	2135 9.0 84435.7 +0844.3	2224 9.2 92005.2 +0820.1	2314 8.8 95632.7 +0832.4
2046 9.3 81604.9 +0828.9	2136 8.7 84531.6 +0819.9	2225 8.5 92012.4 +0855.0	2315 9.5 95657.2 +0822.3
2047 9.3 81614.3 +0849.2	2137 8.8 84608.9 +0819.9	2226 6.0 92046.6 +0849.1	2316 7.5 95724.5 +0841.5
2048 8.0 81639.6 +0806.2	2138 7.7 84611.5 +0856.4	2227 8.8 92049.4 +0804.9	2317 9.5 95755.8 +0824.0
2049 9.2 81641.4 +0848.7	2139 9.5 84647.5 +0813.0	2228 9.5 92108.0 +0832.9	2318 9.5 95818.6 +0859.2
2050 9.3 81656.9 +0827.4	2140 9.0 84824.0 +0855.2	2229 9.0 92114.0 +0818.9	2319 8.5 95839.3 +0838.6
2051 9.2 81717.7 +0857.8	2141 9.3 84838.2 +0811.5	2230 9.5 92140.1 +0839.5	2320 9.5 10016.4 +0830.7
2052 9.5 81721.9 +0858.0	2142 9.4 84853.6 +0805.0	2231 9.0 92144.7 +0818.9	2321 9.5 10026.6 +0814.7
2053 5.2 81808.4 +0802.1	2143 9.5 84904.8 +0836.2	2232 9.3 92218.6 +0857.1	2322 8.8 100034.3 +0844.9
2054 8.8 81810.9 +0817.5	2144 9.0 85003.4 +0831.2	2233 9.5 92233.4 +0836.7	2323 9.0 100040.4 +0816.7
2055 8.9 81816.7 +0828.9	2145 9.0 85006.3 +0858.6	2234 9.5 92234.4 +0852.3	2324 9.5 100117.5 +0801.8
2056 9.2 81820.6 +0823.1	2146 8.7 85006.5 +0837.5	2235 9.1 92332.7 +0841.5	2325 9.5 100140.8 +0828.6
2057 7.5 81856.9 +0807.3	2147 9.5 85049.3 +0856.9	2236 9.3 92444.2 +0803.8	2326 9.5 100202.0 +0818.2
2058 9.2 81957.0 +0838.3	2148 8.3 85059.6 +0847.9	2237 9.2 92503.0 +0806.0	2327 8.5 100315.7 +0824.1
2059 9.0 82024.4 +0820.9	2149 9.5 85134.4 +0834.5	2238 9.0 92506.7 +0842.5	2328 9.2 100339.3 +0820.6
2060 9.5 82025.5 +0816.7	2150 9.0 85155.0 +0859.3	2239 9.2 92514.0 +0848.0	2329 9.5 100427.0 +0828.2
2061 9.2 82034.5 +0817.7	2151 9.3 85158.0 +0845.0	2240 9.2 92522.6 +0800.7	2330 9.5 100437.0 +0840.7
2062 9.5 82054.1 +0807.8	2152 9.0 85213.7 +0812.5	2241 9.5 92538.4 +0851.9	2331 9.0 100458.1 +0824.0
2063 9.3 82145.3 +0802.3	2152# 9.6 85215.3 +0843.1	2242 9.5 92656.0 +0854.7	2332 9.5 100510.0 +0805.0
2064 7.0 82147.3 +0853.8	2153 9.5 85233.7 +0825.8	2243 8.2 92700.7 +0849.5	2333 9.5 100725.7 +0820.6
2065 9.5 82201.6 +0800.4	2154 9.5 85336.0 +0854.0	2244 9.5 92827.2 +0829.7	2334 9.1 100731.3 +0813.3
2066 9.5 82201.6 +0807.9	2155 9.5 85553.7 +0838.7	2245 9.0 92903.7 +0847.4	2335 9.5 100909.9 +0804.9
2067 9.0 82215.4 +0853.4	2156 9.3 85611.4 +0815.4	2246 9.4 92934.6 +0806.2	2336 8.8 100917.7 +0857.7
2068 9.3 82254.1 +0854.3	2157 9.5 85626.0 +0848.8	2247 9.5 92959.9 +0840.5	2337 9.5 100959.0 +0819.5
2069 9.0 82303.0 +0856.6	2158 9.5 85702.5 +0853.6	2248 9.5 93006.8 +0828.0	2338 9.3 101009.5 +0813.5
2070 9.5 82342.9 +0827.1	2159 9.0 85712.4 +0823.7	2249 7.7 93041.4 +0821.7	2339 9.5 101012.5 +0844.0
2071 9.3 82357.9 +0849.9	2160 9.1 85738.0 +0800.3	2250 9.4 93221.0 +0802.6	2340 9.2 101031.1 +0848.0
2072 9.5 82442.7 +0845.5	2161 9.5 85738.0 +0804.2	2251 7.8 93228.3 +0856.0	2341 8.7 101033.7 +0815.0
2073 8.8 82445.8 +0858.0	2162 9.4 85850.0 +0848.0	2252 9.3 93314.4 +0846.0	2342 9.3 101043.8 +0806.5
2074 9.5 82509.8 +0804.3	2163 9.5 85854.3 +0809.7	2253 8.8 93320.3 +0850.8	2343 9.5 101131.0 +0839.3
2075 9.2 82532.6 +0824.7	2164 8.2 85913.4 +0854.6	2254 9.5 93342.6 +0854.5	2344 9.0 101211.8 +0820.5
2076 9.2 82551.3 +0811.1	2165 8.2 85954.5 +0804.1	2255 9.5 93412.5 +0801.9	2345 9.0 101214.0 +0810.4
2077 7.0 82625.6 +0856.5	2166 9.5 85955.7 +0834.2	2256 8.9 93418.8 +0847.7	2346 9.0 101216.6 +0859.5
2078 8.8 82714.7 +0856.0	2167 9.5 90018.7 +0811.1	2257 8.8 93429.6 +0814.2	2347 8.9 101221.0 +0840.0
2079 9.5 82749.1 +0814.3	2168 9.5 90022.6 +0843.6	2258 8.8 93444.4 +0804.0	2348 8.7 101242.3 +0824.3
2080 9.0 82754.9 +0835.1	2169 9.0 90050.5 +0801.6	2259 9.4 93459.8 +0817.6	2349 9.5 101422.5 +0834.3
2081 8.9 82756.3 +0806.9	2170 8.8 90053.7 +0812.5	2260 9.5 93511.7 +0827.5	2350 9.5 101452.0 +0809.4
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+08 4884 22h24m

4884	9.3	222417.6	+0848.4	4974	8.4	225118.4	+0801.3	5063	9.2	231958.2	+0838.0	5153	8.7	235123.5	+0844.5
4885	8.7	222418.2	+0827.9	4975	9.5	225145.4	+0829.3	5064	9.5	232003.9	+0811.8	5154D	9.5	235144.5	+0839.1
4886	9.1	222439.5	+0800.0	4976	9.4	225317.2	+0851.3	5065	9.3	232101.4	+0857.4	5155	8.5	235148.7	+0833.9
4887	9.3	222541.9	+0837.0	4977	9.5	225359.1	+0844.4	5066	7.8	232110.5	+0837.6	5156	9.5	235253.3	+0831.8
4888	9.2	222637.6	+0830.5	4978	9.3	225419.3	+0835.6	5067	9.3	232120.0	+0827.6	5157	9.5	235318.7	+0821.5
4889	9.0	222642.7	+0827.4	4979	8.5	225428.8	+0822.4	5068	9.5	232142.4	+0811.9	5158	9.3	235344.3	+0816.5
4890	8.0	222648.6	+0857.1	4980	8.6	225512.5	+0847.7	5069	9.3	232225.5	+0805.5	5159	9.3	235352.3	+0834.2
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4892	8.0	222652.5	+0840.9	4982	9.5	225552.8	+0808.3	5071	8.2	232334.2	+0841.1	5161	9.3	235419.3	+0849.2
4893	9.5	222719.3	+0859.6	4983	9.4	225557.4	+0822.3	5072	7.9	232359.4	+0857.2	5162	9.4	235423.3	+0849.5
4894	9.5	222744.7	+0843.2	4984	8.2	225611.5	+0810.7	5073	9.5	232415.0	+0849.7	5163	9.0	235448.2	+0810.0
4895	9.5	222812.3	+0848.8	4985	8.6	225612.4	+0801.9	5074	8.5	232419.8	+0830.7	5164	6.7	235459.6	+0808.5
4896	9.5	222813.3	+0809.1	4986	8.9	225650.2	+0829.3	5075	9.4	232513.7	+0826.1	5165	9.5	235532.9	+0859.3
4897	9.5	222827.6	+0834.8	4987	9.3	225713.4	+0808.6	5076	9.5	232526.0	+0822.8	5166	8.7	235533.5	+0819.9
4898	9.5	222838.7	+0844.5	4988	8.1	225723.3	+0804.7	5077	9.3	232528.1	+0809.6	5167	9.3	235621.8	+0821.7
4899	9.5	222848.3	+0814.0	4989	9.2	225727.9	+0833.8	5078	9.2	232612.5	+0821.8	5168	8.3	235736.2	+0828.5
4900	9.5	222917.6	+0805.6	4990	8.4	225729.2	+0818.0	5079	9.0	232707.5	+0832.2	5169	9.2	235742.0	+0856.8
4901	9.5	222919.6	+0856.7	4991	9.1	225744.2	+0848.8	5080	9.3	232737.7	+0832.2	5170	9.5	235752.8	+0822.8
4902	9.1	223007.1	+0803.3	4992	9.2	225832.1	+0827.3	5081	9.4	232803.0	+0841.9	5171	9.5	235826.2	+0801.8
4903	9.1	223027.3	+0826.4	4993	8.2	225835.9	+0807.0	5082	9.3	232803.9	+0802.9	5172	7.5	235843.7	+0854.7
4904	9.4	223027.5	+0824.7	4994	9.4	225841.6	+0822.5	5083	9.5	232833.0	+0801.5	1	9.1	00009.5	+0734.3
4905	9.0	223043.7	+0836.5	4995	9.2	225901.2	+0815.2	5084	8.8	232856.7	+0853.2	2	9.5	00035.0	+0700.0
4906	7.3	223112.1	+0830.3	4996	9.2	225926.6	+0805.6	5085	8.7	232858.0	+0836.3	3	9.3	00040.5	+0717.9
4907	9.5	223135.3	+0835.3	4997	5.2	225942.5	+0837.2	5086	9.5	232859.8	+0815.7	4	9.4	00101.9	+0702.4
4908	9.4	223137.6	+0857.3	4998	9.4	230019.0	+0822.6	5087	9.3	232923.8	+0822.6	5	7.5	00123.2	+0713.0
4909	9.5	223216.9	+0804.2	4999	9.0	230030.5	+0845.1	5088	9.5	232925.5	+0851.3	6	9.2	00142.2	+0717.5
4910	9.4	223232.8	+0821.8	5000	9.5	230033.2	+0836.7	5089	9.4	232928.0	+0844.5	7	9.5	00144.5	+0701.7
4911	9.3	223246.6	+0853.3	5001?	9.5	230107.3	+0852.2	5090	8.9	232947.5	+0841.6	8	9.5	00200.7	+0708.9
4912	8.3	223249.9	+0849.9	5002	9.4	230114.0	+0843.2	5091	9.5	232949.8	+0802.7	9	8.4	00224.2	+0738.9
4913	8.9	223312.0	+0828.9	5003	8.8	230114.5	+0819.7	5092	9.2	233003.3	+0828.4	10	8.6	00230.2	+0746.3
4914	9.5	223325.7	+0803.8	5004	9.4	230139.2	+0858.5	5093	9.2	233016.2	+0838.4	11	9.5	00231.3	+0751.0
4915	9.1	223402.5	+0834.9	5005	9.5	230139.3	+0823.7	5094	9.3	233018.5	+0841.6	12	9.0	00327.4	+0750.6
4916	8.6	223434.3	+0822.4	5006	9.5	230151.8	+0818.0	5095	6.0	233231.4	+0852.3	13	7.5	00349.6	+0708.5
4917	9.2	223438.6	+0803.7	5007	9.5	230223.0	+0814.3	5096	9.3	233238.2	+0817.0	14	9.5	00414.2	+0758.9
4918	9.3	223508.4	+0847.5	5008	9.3	230227.5	+0848.5	5097	9.4	233346.7	+0839.0	15	9.4	00435.3	+0745.4
4919	9.3	223611.8	+0825.5	5009	9.3	230248.2	+0821.2	5098	9.3	233356.4	+0828.6	16	9.0	00458.7	+0701.7
4920	9.5	223649.7	+0852.8	5010	9.5	230256.3	+0813.7	5099	9.5	233359.1	+0810.1	17	9.3	00548.2	+0734.4
4921	9.2	223712.7	+0818.5	5011	8.5	230321.5	+0859.7	5100	9.3	233428.0	+0857.5	18	7.8	00618.0	+0723.4
4922	9.3	223718.4	+0835.2	5012	9.0	230325.6	+0809.0	5101	8.9	233452.2	+0810.0	19	9.4	00743.3	+0739.6
4923	9.5	223735.2	+0845.5	5013	9.4	230332.9	+0846.3	5102	9.4	233516.8	+0835.3	20	9.3	00754.6	+0718.2
4924	9.5	223808.1	+0850.2	5014	9.2	230430.6	+0801.1	5103	9.5	233618.4	+0831.5	21	9.1	00808.6	+0732.8
4925	9.5	223850.5	+0815.4	5015	9.2	230444.0	+0805.4	5104	9.0	233643.0	+0807.8	22	9.5	00834.8	+0753.3
4926	9.1	223900.0	+0842.6	5016	9.0	230456.8	+0820.3	5105	9.4	233649.1	+0804.2	23	8.0	00837.9	+0718.7
4927	9.5	223912.1	+0852.9	5017	9.5	230459.0	+0848.8	5106	9.3	233650.0	+0832.5	24	9.1	00839.5	+0713.1
4928	8.8	223937.9	+0811.4	5018	8.5	230503.7	+0814.7	5107	9.2	233811.6	+0809.3	25	9.5	00850.1	+0716.7
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4946	9.3	224411.0	+0817.7	5036	9.3	231010.6	+0853.8	5125	9.0	234347.6	+0853.2	43	9.5	01537.3	+0727.9
4947	9.5	224422.6	+0816.5	5037	8.9	231036.0	+0818.5	5126	9.1	234356.3	+0857.7	44	9.1	01625.7	+0733.1
4948	9.4	224431.1	+0813.4	5038	9.3	231036.2	+0834.9	5127	6.5	234357.7	+0830.3	45	9.3	01739.2	+0703.7
4949	9.0	224436.8	+0854.0	5039	8.2	231040.3	+0842.7	5128	9.3	234422.4	+0815.0	46	9.5	01743.7	+0717.0
4950	9.5	224456.0	+0805.7	5040	9.0	231109.5	+0812.0	5129	9.4	234514.0	+0823.6	47	9.5	01754.9	+0737.2
4951	9.1	224457.3	+0853.5	5041	6.6	231136.6	+0838.3	5130	9.5	234525.4	+0833.3	48	9.5	01811.1	+0727.6
4952	9.3	224510.9	+0842.3	5042	8.9	231219.0	+0816.4	5131	9.4	234527.3	+0842.8	49	9.5	01844.9	+0746.1
4953	8.9	224516.0	+0812.8	5043	9.4	231220.3	+0827.0	5132	9.3	234538.7	+0818.8	50	9.4	01848.0	+0745.3
4954	9.3	224535.5	+0809.7	5044	9.5	231221.3	+0845.7	5133	8.3	234543.5	+0853.6	51	9.4	01850.4	+0715.4
4955	9.5	224615.2	+0839.0	5045	9.3	231239.3	+0801.7	5134	9.3	234601.3	+0830.5	52	8.7	01926.0	+0745.4
4956	9.3	224635.5	+0848.2	5046	9.4	231305.2	+0818.9	5135	9.5	234601.3	+0837.8	53	9.5	02018.9	+0725.9
4957	9.3														

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*07 430 2h40m

431	8.8	24046.4	+0756.7	521	8.7	32558.9	+0747.6	611	9.4	40346.3	+0736.4	701	9.4	43547.3	+0710.6
432	9.1	24108.0	+0759.3	522	9.2	32657.5	+0746.4	612	9.5	40404.8	+0703.6	702	9.5	43604.8	+0715.6
433	9.5	24117.0	+0757.3	523	9.4	33002.0	+0730.6	613	9.5	40410.2	+0741.4	703	9.4	43615.8	+0710.0
434	9.5	24228.0	+0735.1	524	9.5	33048.2	+0754.7	614	9.4	40426.3	+0741.4	704	9.1	43617.5	+0728.0
435	9.5	24233.0	+0733.4	525	9.5	33057.8	+0749.6	615	9.5	40516.3	+0730.8	705	9.0	43649.0	+0750.7
436	8.5	24328.5	+0741.0	526	9.0	33113.8	+0707.7	616	9.5	40537.3	+0746.1	706	9.5	43658.2	+0701.5
437	9.5	24338.5	+0736.1	527	9.5	33127.1	+0735.8	617	5.5	40544.8	+0720.7	707	9.5	43703.2	+0722.8
438	9.3	24414.5	+0757.3	528	9.2	33143.2	+0739.2	618	9.2	40617.3	+0748.5	708	9.4	43705.5	+0747.7
439	9.3	24418.0	+0751.0	529	9.0	33228.2	+0737.0	619	9.5	40639.1	+0714.6	709	9.2	43724.3	+0716.7
440	9.3	24437.5	+0707.0	530	7.7	33231.4	+0707.1	620	8.3	40715.9	+0702.1	710	9.0	43730.8	+0742.8
441	9.0	24455.3	+0704.5	531	9.2	33322.4	+0708.8	621	9.2	40720.4	+0703.9	711	8.8	43736.9	+0719.1
442	8.8	24526.3	+0706.6	532	9.5	33346.0	+0706.5	622	9.5	40751.0	+0717.3	712	9.5	43748.6	+0745.5
443	7.7	24639.9	+0705.0	533	9.0	33401.3	+0729.7	623	9.5	40753.2	+0712.7	713	9.3	43816.9	+0720.1
444	9.5	24640.5	+0734.1	534	9.5	33410.5	+0753.4	624	9.0	40815.5	+0711.1	714	8.5	43838.8	+0704.6
445	9.0	24725.8	+0753.3	535	9.5	33411.2	+0715.4	625	9.2	40833.0	+0736.3	715	9.5	43901.7	+0756.8
446	8.8	24734.5	+0733.7	536	8.3	33435.5	+0704.9	626	9.5	40923.8	+0712.2	716	9.5	43902.9	+0754.1
447	9.5	24758.0	+0723.9	537	8.3	33459.2	+0725.9	627	9.3	40943.3	+0734.7	717	9.2	43907.0	+0714.4
448	9.3	24812.0	+0721.2	538	9.5	33534.3	+0707.5	628	9.4	41123.7	+0719.4	718	9.5	43930.5	+0703.9
449	9.0	24820.0	+0719.8	539	9.5	33539.0	+0727.0	629	9.0	41159.5	+0756.1	719	9.4	43934.2	+0729.8
450	6.8	24830.7	+0747.9	540	8.5	33710.5	+0750.9	630	9.3	41213.0	+0744.6	720	9.5	43940.6	+0710.5
451	9.2	24843.0	+0711.4	541	9.5	33722.8	+0739.2	631	7.8	41227.8	+0729.8	721	9.0	44001.2	+0730.6
452	9.5	24858.0	+0734.4	542	9.3	33826.2	+0713.7	632	9.3	41238.8	+0711.6	722	9.5	44018.8	+0747.4
453	8.3	24922.2	+0704.0	543	9.5	33943.5	+0730.4	633	9.3	41356.8	+0752.3	723	9.5	44022.3	+0742.6
454	9.3	24926.0	+0758.8	544	9.5	33943.9	+0700.9	634	9.5	41449.3	+0757.7	724	9.5	44030.8	+0738.1
455	8.5	24945.5	+0711.2	545	9.5	34003.2	+0756.5	635	9.5	41511.8	+0732.2	725	7.7	44050.3	+0735.1
456	9.0	25013.5	+0734.7	546	9.0	34004.5	+0756.2	636	9.3	41521.3	+0705.5	726	9.1	44114.9	+0742.3
457	9.5	25024.5	+0746.5	547	9.0	34006.8	+0729.4	637	8.3	41547.3	+0743.6	727	9.5	44142.2	+0723.6
458	9.5	25213.7	+0725.5	548	9.5	34027.5	+0754.9	638	9.5	41621.2	+0706.8	728	9.5	44207.0	+0707.4
459	8.3	25217.0	+0710.1	549	9.5	34027.5	+0736.7	639	9.5	41630.0	+0752.2	729	9.5	44207.5	+0741.5
460	9.4	25224.4	+0718.7	550	9.5	34057.8	+0758.5	640	9.5	41634.9	+0703.0	730	8.5	44209.5	+0725.9
461	9.0	25401.0	+0717.4	551	9.5	34100.5	+0747.4	641	9.5	41654.9	+0706.5	731	9.5	44249.5	+0755.8
462	8.5	25403.7	+0734.1	552	9.3	34129.3	+0711.9	642	9.3	41727.1	+0704.1	732	9.4	44252.6	+0746.5
463	9.3	25407.5	+0709.4	553	9.0	34229.8	+0711.7	643	9.5	41819.3	+0733.2	733	7.5	44259.5	+0744.6
464	9.0	25418.8	+0726.0	554	9.5	34252.8	+0718.5	644	9.5	41832.8	+0757.2	734	8.7	44300.1	+0726.4
465	9.0	25424.5	+0717.0	555	9.4	34301.0	+0745.5	645	9.5	41833.3	+0743.6	735	8.8	44300.7	+0727.5
466	8.3	25502.1	+0753.9	556	9.4	34418.3	+0727.2	646	9.2	41942.2	+0702.1	736	9.0	44301.8	+0737.7
467	9.5	25645.7	+0756.2	557	9.3	34503.2	+0704.1	647	9.5	41954.7	+0705.4	737	8.5	44312.5	+0726.8
468	9.5	25647.4	+0739.6	558	9.5	34503.7	+0747.8	648	7.0	42014.6	+0749.7	738	9.5	44318.6	+0726.5
469	9.3	25704.0	+0731.5	559	9.0	34512.5	+0751.3	649	9.3	42021.8	+0716.6	739	9.5	44321.0	+0728.5
470	9.3	25704.7	+0750.0	560	8.0	34525.7	+0720.6	650	9.3	42041.8	+0749.8	740	9.5	44327.3	+0730.7
471	9.5	25802.7	+0712.5	561	9.2	34528.2	+0748.7	651	9.2	42114.8	+0730.5	741	8.8	44330.5	+0710.7
472	9.5	25818.0	+0710.3	562	9.5	34535.5	+0731.5	652	9.4	42118.8	+0713.8	742	9.0	44330.9	+0737.7
473	9.3	25840.2	+0719.4	563	9.5	34536.0	+0725.1	653	9.2	42212.6	+0752.7	743	9.0	44345.8	+0753.6
474	9.3	25842.7	+0745.1	564	9.0	34612.3	+0722.4	654	9.4	42241.3	+0726.0	744	9.3	44447.0	+0752.6
475	8.8	25850.0	+0739.2	565	9.2	34622.8	+0744.0	655	9.3	42308.1	+0758.4	745	9.5	44508.1	+0730.1
476	8.5	25934.5	+0750.5	566	9.5	34659.3	+0730.8	656	7.5	42319.6	+0700.5	746	9.5	44510.6	+0708.1
477	7.7	30045.7	+0705.2	567	9.5	34714.1	+0755.9	657	9.0	42322.3	+0749.2	747	9.5	44512.3	+0703.7
478	6.6	30053.8	+0754.2	568	9.0	34741.6	+0708.7	658	8.0	42327.8	+0708.8	748	9.3	44512.5	+0733.2
479	9.0	30204.7	+0754.5	569	9.5	34742.8	+0716.9	659	9.0	42333.8	+0731.1	749	8.5	44532.9	+0726.0
480	8.8	30233.0	+0713.2	570	9.5	34802.2	+0733.5	660	9.1	42337.8	+0737.8	750	9.5	44603.5	+0724.9
481	8.5	30357.4	+0734.6	571	8.5	34841.1	+0709.2	661	9.5	42402.3	+0732.0	751	9.5	44604.5	+0714.8
482	9.3	30453.3	+0752.5	572	9.5	34916.6	+0710.8	662	9.5	42405.7	+0730.0	752	9.5	44617.9	+0742.6
483M	9.5	30455.0	+0734.1	573	9.0	35014.9	+0754.8	663	9.3	42424.6	+0733.2	753	9.5	44623.5	+0722.8
484	9.5	30459.4	+0707.8	574	9.5	35017.3	+0720.4	664	9.2	42428.8	+0749.2	754	8.1	44626.0	+0708.3
485	9.2	30519.5	+0734.9	575	7.8	35028.6	+0711.5	665	9.5	42515.7	+0709.6	755	5.7	44658.2	+0732.9
486	8.8	30549.0	+0715.2	576	8.1	35036.5	+0703.3	666	9.5	42524.3	+0715.2	756	8.8	44680.4	+0709.3
487	9.5	30642.7	+0758.8	577	8.8	35040.5	+0756.9	667	8.3	42631.3	+0753.0	757	9.0	44808.9	+0730.5
488	9.5	30805.5	+0754.4	578	9.5	35045.6	+0706.3	668	8.3	42700.8	+0708.6	758	9.5	44817.3	+0703.0
489	9.5	30840.4	+0729.8	579	9.3	35056.2	+0730.4	669	9.5	42718.8	+0728.1	759	6.8	44819.5	+0740.1
490	9.5	30841.4	+0721.8	580	9.5	35157.6	+0711.7	670	9.5	42736.8	+0707.4	760	9.5	44906.4	+0720.3
491	9.5	30850.5	+0739.1	581	9.5	35209.9	+0751.2	671	8.2	42818.0	+0755.6	761	9.4	44920.7	+0718.2
492	9.5	30920.4	+0731.6	582	9.0	35218.5	+0755.7	672	9.2	42930.5	+0710.7	762	9.3	44934.0	+0723.3
493	7.5	30940.5	+0707.5	583	9.0	35311.0	+0726.2	673	9.1	42946.8	+0748.2	763	8.8	44953.4	+0704.5
494	8.5	30947.5	+0709.4	584	9.0	35342.3	+0744.3	674	9.5	42949.2	+0756.9	764	9.4	45024.2	+0720.0
495	9.0	31027.5	+0702.0	585	8.5	35402.9	+0711.4	675	9.5	42955.8	+0722.2	765	9.5	45025.0	+0727.4
496	9.5	31040.3	+0755.1	586	9.5	35450.8	+0722.7	676	7.0	43006.6	+0701.4	766	9.5	45046.9	+0742.9
497	9.1	31155.4	+0729.8	587	9.5	35459.6	+0744.2	677	9.3	43033.5	+0731.1	767	9.5	45055.0	+0750.3
498	9.0	31222.0	+0722.9	588	9.5	35503.7	+0758.1	678	8.2	43044.6	+0752.6	768	30.0	45106.0	+0754.2
499	9.2	31238.7	+0755.3	589	7.8	35509.6	+0743.6	679	9.0	43100.3	+0739.2	769	9.5	45121.9	+0735.4
500	9.3	31315.3	+0756.0	590	9.5	35530.3	+0730.1	680	9.5	43110.7	+0734.3	770	9.0	45228.2	+0719.1
501	9.3	31334.0	+0731.6	591	9.2	35604.7	+0738.1	681	5.8	43115.3	+0734.7	771	9.5	45304.5	+0741.2
502	9.4	31343.6	+0706.0	592	5.9	35607.1	+0747.6	682	9.5	43121.8	+0729.4	772	9.5	45311.5	+0741.6
503	9.5	31352.4	+0739.2	593	9.5	35609.3	+0734.1	683	8.0	43124.3	+0741.9	773	9.5	45321.6	+0719.4
504	9.3	31649.3	+0752.8	594	9.4	35625.2	+0705.3	684	9.5	43138.0	+0752.7	774	8.3	45321.6	+0739.5
505	9.3	31713.4	+0742.0	595	9.0	35754.3	+0718.6	685	8.6	43140.1	+0715.2	775	9.5	45400.9	+0704.2
506	9.2	31739.5	+0753.6	596	9.5	35856.2	+0736.7	686	9.5	43140.3	+0741.9	776	9.3	45408.5	+0717.0
507	9.0	31814.3	+0745.0	597	8.7	35905.7	+0748.1	687	9.2	43211.4					

•07 791 4h57m

•07 1149 6h01m

791 9.2 45705.0 +0704.9	881 8.9 51603.2 +0707.3	971 9.5 53242.1 +0730.3	1061 9.0 54817.2 +0743.3
792 9.3 45730.2 +0737.8	882 9.0 51632.1 +0743.3	972 9.5 53300.2 +0756.9	1062 8.9 54822.6 +0728.0
793 8.0 45731.6 +0722.0	883 9.3 51640.8 +0739.8	973 9.5 53303.1 +0739.7	1063 8.5 54852.6 +0712.4
794 8.5 45735.9 +0745.4	884 9.5 51645.0 +0725.6	974 9.5 53309.5 +0756.7	1064 9.5 54902.5 +0754.6
795 8.9 45739.9 +0729.0	885 9.4 51655.0 +0711.8	975 9.0 53344.6 +0725.3	1065 9.5 54927.4 +0704.8
796 8.7 45752.6 +0758.3	886 9.5 51658.1 +0708.7	976 9.5 53358.6 +0745.0	1066 9.5 54945.7 +0705.0
797 9.4 45808.4 +0758.3	887 9.5 51715.0 +0752.9	977 9.5 53443.0 +0705.0	1067 9.5 54953.3 +0742.2
798 9.5 45813.3 +0719.4	888 8.4 51715.4 +0703.1	978 9.5 53444.3 +0723.2	1068 9.3 54957.5 +0728.9
799 9.5 45821.1 +0702.8	889 9.4 51721.7 +0744.0	979 9.2 53445.5 +0703.2	1069 9.2 55002.2 +0720.7
800 9.3 45841.8 +0724.9	890 8.4 51733.6 +0706.3	980 9.5 53447.1 +0755.4	1070 9.5 55008.3 +0710.3
801 9.5 45841.9 +0715.8	891 8.9 51754.1 +0741.5	981 9.3 53453.3 +0723.6	1071 9.1 55015.2 +0702.0
802 8.8 45853.0 +0753.8	892 9.5 51808.5 +0744.8	982 9.5 53506.7 +0734.4	1072 7.6 55035.4 +0750.4
803 9.5 45904.0 +0755.4	893 9.5 51856.7 +0751.0	983 8.3 53511.8 +0714.6	1073 8.3 55040.0 +0755.5
804 9.5 45906.0 +0755.1	894 9.5 51859.2 +0725.7	984 9.0 53512.3 +0715.5	1074 9.0 55040.2 +0705.4
805 9.3 45906.1 +0715.7	895 7.8 51907.0 +0756.9	985 9.3 53521.7 +0722.3	1075 9.5 55047.0 +0735.0
806 9.0 45911.3 +0730.3	896 7.9 51910.1 +0702.1	986 9.5 53528.0 +0743.3	1076 9.5 55048.0 +0725.1
807 9.5 45923.7 +0744.0	897 9.3 51944.8 +0736.0	987 9.1 53532.8 +0705.8	1077 9.5 55115.0 +0754.9
808 9.5 45925.7 +0738.5	898 9.2 51949.6 +0747.3	988 8.6 53544.4 +0749.9	1078 9.4 55115.5 +0713.2
809 9.5 45929.3 +0711.3	899 9.5 51952.5 +0726.6	989 8.5 53550.2 +0753.9	1079 9.4 55117.2 +0700.6
810 9.5 50006.5 +0702.6	900 9.2 51954.2 +0753.3	990 9.3 53556.1 +0717.4	1080 9.5 55121.7 +0742.6
811 8.9 50010.0 +0747.5	901 9.5 51957.8 +0712.9	991 9.5 53601.5 +0733.2	1081 9.5 55127.3 +0740.8
812 7.4 50014.3 +0742.1	902 9.5 52036.9 +0733.7	992 9.5 53604.7 +0720.1	1082 9.4 55147.9 +0744.5
813 9.5 50024.5 +0725.7	903 9.5 52038.0 +0711.5	993 9.0 53611.9 +0721.6	1083 9.2 55151.4 +0716.8
814 9.1 50038.4 +0733.0	904 9.4 52055.1 +0743.5	994 9.2 53618.8 +0729.8	1084 9.3 55220.2 +0721.3
815 9.5 50121.1 +0751.6	905 9.4 52130.0 +0721.0	995 9.5 53651.3 +0749.9	1085 9.5 55238.1 +0705.3
816 9.5 50144.0 +0728.3	906 9.2 52134.4 +0709.2	996 9.3 53701.0 +0701.4	1086 9.5 55241.0 +0710.7
817 9.3 50159.6 +0743.7	907 9.5 52135.5 +0703.2	997 9.5 53725.6 +0755.4	1087 9.5 55244.7 +0726.8
818 9.3 50205.6 +0723.4	908 9.5 52202.2 +0704.7	998 9.0 53726.3 +0720.3	1088 8.8 55254.6 +0718.0
819 7.6 50207.7 +0759.4	909 9.2 52228.3 +0740.5	999 9.0 53730.3 +0742.4	1089 9.4 55255.8 +0756.3
820 9.2 50212.9 +0747.1	910 9.2 52236.5 +0757.5	1000 9.5 53746.0 +0708.1	1090 9.5 55300.5 +0752.4
821 9.5 50215.8 +0727.7	911 8.5 52247.2 +0720.6	1001 9.5 53753.1 +0748.9	1091 9.0 55310.0 +0703.7
822 9.2 50224.2 +0700.7	912 9.0 52258.7 +0726.4	1002 9.5 53812.1 +0737.3	1092 9.1 55319.7 +0706.0
823 9.5 50224.5 +0732.1	913 9.5 52304.0 +0740.9	1003 9.5 53825.5 +0743.9	1093 9.0 55330.0 +0750.8
824 9.5 50226.9 +0706.8	914 9.3 52329.7 +0700.8	1004 9.5 53845.0 +0705.4	1094 9.1 55341.0 +0709.1
825 9.5 50237.5 +0723.6	915 8.3 52334.4 +0725.8	1005 9.3 53855.7 +0743.7	1095 8.5 55341.9 +0735.9
826 9.3 50249.1 +0721.1	916 9.4 52335.0 +0732.2	1006 9.5 53909.0 +0737.5	1096 9.5 55353.5 +0706.2
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828 9.3 50307.2 +0751.8	918 9.3 52359.5 +0734.0	1008 8.5 53913.8 +0731.2	1098 9.0 55443.8 +0720.9
829 9.4 50319.0 +0719.0	919 9.4 52400.0 +0755.2	1009 9.0 53926.3 +0727.3	1099 8.3 55444.2 +0741.1
830 9.0 50322.9 +0719.7	920 9.5 52404.5 +0729.9	1010 9.5 53936.3 +0728.0	1100 9.2 55449.6 +0756.0
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832 9.3 50429.0 +0746.8	922 9.3 52408.8 +0737.3	1012 9.3 53943.9 +0700.2	1102 9.5 55511.3 +0751.4
833 9.3 50431.6 +0739.7	923 9.4 52422.3 +0758.1	1013 9.5 53949.2 +0757.3	1103 7.7 55519.3 +0737.1
834 9.5 50441.0 +0713.4	924 9.3 52439.6 +0720.5	1014 7.8 54003.6 +0754.3	1104 9.5 55524.0 +0714.2
835 9.5 50455.0 +0728.4	925 8.9 52453.8 +0726.1	1015 9.5 54028.5 +0723.7	1105 9.4 55537.9 +0702.8
836 9.5 50503.2 +0756.9	926 8.0 52506.1 +0713.7	1016 7.5 54040.7 +0730.2	1106 9.5 55543.1 +0730.3
837 9.4 50511.1 +0702.4	927 9.5 52507.0 +0727.3	1017 8.5 54061.3 +0749.9	1107 9.5 55544.8 +0710.0
838 9.3 50529.4 +0734.5	928 9.3 52516.1 +0727.5	1018 8.2 54053.2 +0746.8	1108 9.5 55552.2 +0711.3
839 9.0 50531.9 +0717.2	929 8.2 52524.3 +0702.1	1019 9.5 54102.5 +0705.5	1109 9.5 55557.3 +0750.1
840 9.4 50541.3 +0700.4	930 9.5 52534.1 +0744.1	1020 9.5 54112.6 +0742.3	1110 9.5 55611.7 +0705.2
841 8.5 50608.4 +0714.4	931 9.5 52537.2 +0750.9	1021 9.5 54135.3 +0725.7	1111 9.5 55627.8 +0734.4
842 9.3 50618.3 +0711.4	932 9.5 52613.3 +0754.0	1022 9.5 54136.1 +0743.1	1112 9.5 55629.8 +0703.2
843 9.3 50618.8 +0753.3	933 9.2 52633.1 +0734.5	1023 9.5 54140.4 +0732.1	1113 9.4 55634.2 +0751.5
844 9.5 50631.5 +0732.4	934 9.3 52649.8 +0727.2	1024 9.3 54239.6 +0704.3	1114 9.5 55639.1 +0722.7
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846 8.9 50709.5 +0724.3	936 9.5 52735.7 +0746.4	1026 9.5 54310.0 +0739.7	1116 9.4 55649.9 +0749.5
847 9.5 50711.3 +0754.7	937 9.4 52736.6 +0731.8	1027 9.5 54317.8 +0710.2	1117 9.0 55650.6 +0718.1
848 9.0 50727.5 +0751.6	938 8.9 52740.4 +0717.0	1028 9.1 54327.1 +0754.4	1118 8.1 55719.9 +0707.8
849 9.3 50805.2 +0721.3	939 8.5 52740.9 +0709.3	1029 9.1 54368.3 +0729.8	1119 8.9 55721.5 +0753.8
850 8.7 50815.2 +0701.8	940 9.4 52752.7 +0738.3	1030 9.5 54407.1 +0744.5	1120 9.1 55728.8 +0759.9
851 9.2 50841.1 +0734.7	941 9.3 52757.7 +0733.4	1031 9.2 54418.3 +0741.5	1121 9.0 55745.3 +0732.0
852 9.5 50901.0 +0752.9	942 8.9 52829.0 +0757.1	1032 9.5 54424.4 +0738.0	1122 9.5 55747.5 +0759.3
853 9.5 50927.0 +0728.9	943 9.3 52840.6 +0756.8	1033 8.1 54427.5 +0717.6	1123 9.5 55749.8 +0704.7
854 9.4 50932.5 +0755.0	944 9.5 52843.0 +0718.3	1034 8.6 54444.5 +0730.7	1124 9.4 55750.6 +0713.5
855 8.0 50952.1 +0712.0	945 9.5 52844.5 +0751.3	1035 9.3 54502.8 +0758.8	1125 9.5 55800.0 +0753.7
856 9.5 51001.0 +0727.1	946 9.5 52853.5 +0734.9	1036 9.5 54508.4 +0756.3	1126 9.5 55803.6 +0757.8
857 7.8 51004.6 +0756.4	947 9.5 52902.0 +0741.3	1037 9.5 54525.3 +0735.0	1127 9.5 55817.6 +0717.4
858 9.3 51015.7 +0716.5	948 9.5 52905.9 +0702.4	1038 9.5 54528.5 +0727.1	1128 9.5 55825.6 +0759.1
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860 9.5 51055.0 +0737.8	950 9.5 52916.1 +0752.9	1040 8.7 54539.7 +0737.0	1130 9.5 55836.0 +0759.7
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862 9.4 51104.4 +0714.6	952 8.9 53005.3 +0709.0	1042 8.8 54546.5 +0741.1	1132 9.5 55905.1 +0718.8
863 8.9 51109.0 +0738.8	953 6.1 53010.9 +0726.9	1043 9.5 54547.0 +0703.3	1133 9.5 55913.7 +0752.9
864 9.5 51133.6 +0701.3	954 9.5 53016.7 +0729.1	1044 9.4 54548.1 +0732.5	1134 9.1 55915.4 +0756.3
865 9.2 51136.2 +0723.0	955 9.5 53033.0 +0737.7	1045 9.4 54549.5 +0708.2	1135 9.5 55918.2 +0748.9
866 9.5 51146.2 +0739.0	956 8.5 53055.1 +0757.1	1046 9.5 54552.7 +0726.8	1136 9.5 55919.9 +0739.3
867 9.5 51205.0 +0758.3	957 9.5 53100.4 +0738.3	1047 9.5 54611.2 +0709.4	1137 9.5 55923.2 +0743.0
868 9.5 51206.8 +0731.4	958 9.5 53110.5 +0730.1	1048 8.9 54612.3 +0740.9	1138 8.7 55940.2 +0755.9
869 9.0 51223.7 +0759.3	959 9.5 53112.7 +0749.6	1049 9.5 54616.7 +0710.7	1139 9.3 55942.6 +0734.6
870 9.2 51237.6 +0742.1	960 8.9 53114.5 +0727.8	1050 8.9 54647.3 +0705.3	1140 9.5 60000.1 +0711.0
871 9.0 51244.9 +0750.2	961 9.5 53121.4 +0721.0	1051 9.5 54650.9 +0748.0	1141 9.2 60007.4 +0704.8
872 9.0 51252.2 +0714.7	962 9.5 53129.1 +0719.5	1052 9.5 54657.0 +0753.0	1142 9.2 60009.0 +0701.8
873 9.5 51314.8 +0743.7	963 9.5 53129.8 +0734.8	1053 9.5 54657.2 +0759.3	1143 9.5 60016.3 +0732.5
874 8.8 51342.1 +0730.8	964 9.5 53137.4 +0730.0	1054 8.3 54703.2 +0700.2	1144 9.3 60020.3 +0744.3
875 8.0 51416.0 +0751.3	965 9.5 53150.0 +0757.3	1055 20.0 54720.3 +0722.7	1145 8.8 60028.7 +0708.3
876 8.2 51427.1 +0703.3	966 9.0 53153.2 +0713.9	1056 9.5 54746.0 +0759.6	1145a 9.5 60044.4 +0719.4
877 8.5 51440.0 +0702.1	967 9.3 53204.3 +0735.2	1057 9.5 54757.7 +0728.5	1146 9.5 60045.7 +0749.1
878 9.3 51521.3 +0713.4	968 9.2 53210.0 +0704.0	1058 9.5 54805.7 +0723.2	1147 9.5 60046.4 +0723.4
879 8.5 51523.7 +0732.6	969 9.5 53221.1 +0733.0	1059 9.5 54812.5 +0751.2	1148 8.7 60054.1 +0714.2
880 9.3 51558.9 +0730.5	970 9.3 53222.8 +0705.3	1060 8.5 54812.5 +0749.4	1149 9.5 60113.1 +0704.6

+07 1150 6h01m

+07 1508 6h47m

1150 7.5 60117.0 +0732.3	1239 8.4 61118.3 +0718.0	1329 9.5 62338.1 +0743.3	1419 8.6 63526.4 +0755.7
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1177 8.4 60404.7 +0706.8	1267 8.6 61625.7 +0708.7	1357 7.5 62655.3 +0740.9	1447 9.3 63910.5 +0715.2
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1182 9.1 60435.5 +0758.1	1272 9.5 61712.3 +0754.8	1362 9.5 62719.9 +0701.6	1452 9.3 63955.6 +0730.1
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1184 9.5 60458.6 +0729.1	1274 9.1 61725.6 +0742.3	1364 9.1 62731.0 +0741.9	1454 9.3 64021.5 +0707.9
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1190 9.5 60531.0 +0705.7	1280 9.0 61756.8 +0751.3	1370 9.2 62849.6 +0736.2	1460 9.5 64102.9 +0728.0
1191 9.5 60535.3 +0712.2	1281 8.8 61810.7 +0732.6	1371 9.5 62851.5 +0721.3	1461 9.0 64104.3 +0715.5
1192 9.5 60538.4 +0746.4	1282 9.4 61819.8 +0713.2	1372 9.5 62901.2 +0742.5	1462 9.5 64112.7 +0755.5
1193 9.5 60541.5 +0724.8	1283 9.4 61820.7 +0710.7	1373 9.5 62905.1 +0709.7	1463 9.3 64126.3 +0727.7
1194 9.4 60601.6 +0759.6	1284 9.5 61827.8 +0744.5	1374 9.0 62912.1 +0722.0	1464 9.5 64132.2 +0745.0
1195 9.1 60603.7 +0700.2	1285 9.5 61834.7 +0706.0	1375 9.3 62922.0 +0746.6	1465 8.5 64136.5 +0716.3
1196 9.0 60605.9 +0754.7	1286 9.5 61836.3 +0713.0	1376 9.5 62926.7 +0732.8	1466 9.5 64145.1 +0711.5
1197 9.5 60611.0 +0707.6	1287 8.9 61837.4 +0741.2	1377 9.5 62940.2 +0715.9	1467 8.4 64153.8 +0759.7
1198 9.5 60621.1 +0730.2	1288 9.5 61837.8 +0708.5	1378 9.5 62949.9 +0744.9	1468 9.0 64157.6 +0748.0
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+07 2227 9h55m

+07 1869 7h48m

1869	9.4	74831.5	+0759.7	1869	9.4	81211.9	+0756.2	2049	8.5	84850.2	+0712.1	2138	9.5	92203.0	+0720.7
1870	9.5	74840.4	+0740.3	1870	9.3	81249.0	+0706.2	2050	9.1	84850.7	+0758.0	2139	9.5	92206.1	+0742.9
1871	9.4	74848.5	+0700.9	1871	9.0	81305.1	+0716.1	2051	9.5	85009.5	+0744.9	2140	9.3	92312.9	+0711.5
1872	9.4	74849.9	+0726.4	1872	9.3	81312.9	+0748.2	2052	9.2	85016.6	+0741.0	2141	9.3	92320.7	+0704.8
1873	8.3	74856.8	+0744.4	1873	9.0	81327.0	+0726.4	2053	9.5	85125.6	+0723.2	2142	9.5	92331.6	+0734.9
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1875	9.2	74919.5	+0703.4	1875	8.8	81337.4	+0751.8	2055	8.4	85137.1	+0758.8	2144	9.2	92410.4	+0755.9
1876	7.5	74939.5	+0713.4	1876	9.5	81405.0	+0706.5	2056	9.5	85146.2	+0703.7	2145	9.5	92418.2	+0702.3
1877	9.2	74942.4	+0734.4	1877	9.5	81405.2	+0723.7	2057	9.5	85159.5	+0740.4	2146	9.2	92434.6	+0759.8
1878	9.3	75005.5	+0720.1	1878	8.5	81449.3	+0710.8	2058	9.0	85211.5	+0742.1	2147	7.5	92452.9	+0742.3
1879	6.8	75018.3	+0735.5	1879	9.5	81451.6	+0729.0	2059	9.5	85305.5	+0748.8	2148	9.5	92530.1	+0737.0
1880	9.5	75029.2	+0718.4	1880	8.5	81457.4	+0757.8	2060	9.2	85314.2	+0713.6	2149	9.4	92531.3	+0723.0
1881	8.8	75038.9	+0722.0	1881	8.5	81545.3	+0716.1	2061	9.5	85328.0	+0734.2	2150	9.5	92558.0	+0705.0
1882	9.4	75042.0	+0726.3	1882	9.5	81556.5	+0721.7	2062	8.3	85404.3	+0703.9	2151	9.0	92621.7	+0708.6
1883	9.5	75044.9	+0704.0	1883	8.8	81615.6	+0754.1	2063	9.2	85446.0	+0701.6	2152	9.3	92636.3	+0746.0
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1885	9.0	75049.0	+0757.2	1885	7.5	81915.0	+0741.5	2065	9.3	85458.1	+0713.2	2154	9.5	92652.7	+0754.7
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1889	9.4	75103.8	+0751.2	1889	8.7	82024.2	+0728.4	2069	9.2	85606.5	+0752.2	2158	9.5	92811.3	+0704.7
1890	9.4	75111.0	+0700.2	1890	8.5	82026.1	+0737.6	2070	9.2	85629.1	+0717.6	2159	8.1	92854.7	+0745.7
1891	8.8	75124.9	+0737.1	1891	9.0	82033.6	+0715.8	2071	9.5	85642.2	+0749.1	2160	5.8	92934.3	+0728.6
1892	9.5	75136.6	+0718.6	1892	8.2	82035.1	+0710.7	2072	8.8	85646.8	+0700.9	2161	9.5	92939.4	+0739.7
1893	9.3	75247.7	+0734.3	1893	8.0	82047.6	+0728.0	2073	9.0	85648.5	+0753.7	2162	9.5	93050.4	+0739.4
1894	9.2	75302.2	+0724.3	1894	8.8	82118.6	+0718.3	2074	9.0	85742.7	+0724.7	2163	8.3	93050.4	+0705.4
1895	9.5	75315.3	+0703.6	1895	9.5	82211.1	+0711.0	2075	9.5	85817.5	+0758.8	2164	9.5	93106.0	+0734.3
1896	9.3	75337.1	+0748.5	1896	9.5	82256.6	+0711.0	2076	9.0	85819.7	+0746.0	2165	6.9	93148.0	+0708.5
1897	9.0	75344.5	+0718.4	1897	9.5	82317.7	+0711.7	2077	9.5	85826.2	+0714.7	2166	9.5	93224.9	+0707.8
1898	9.5	75448.0	+0715.4	1898	8.7	82327.2	+0730.4	2078	8.0	85943.2	+0724.8	2167	9.5	93402.6	+0740.1
1899	9.3	75459.3	+0708.6	1899	9.5	82545.9	+0739.5	2079	9.5	85949.2	+0727.0	2168	8.7	93424.3	+0723.4
1900	9.5	75500.0	+0743.5	1900	9.5	82549.1	+0746.3	2080	9.5	90129.7	+0720.9	2169	9.5	93452.3	+0750.8
1901	9.5	75521.1	+0706.1	1901	9.5	82550.5	+0720.8	2081	9.1	90139.5	+0759.3	2170	9.5	93519.3	+0733.5
1902	9.3	75523.9	+0702.1	1902	9.5	82601.9	+0727.4	2082	9.5	90325.7	+0738.0	2171	9.5	93543.0	+0707.8
1903	9.5	75527.7	+0710.5	1903	9.0	82625.4	+0724.5	2083	9.5	90346.2	+0717.5	2172	9.5	93610.5	+0707.6
1904	8.3	75534.6	+0731.9	1904	9.5	82628.1	+0708.9	2084	9.5	90350.0	+0749.0	2173	9.5	93631.0	+0709.9
1905	9.5	75537.9	+0720.7	1905	9.5	82638.6	+0708.9	2085	9.4	90412.2	+0722.7	2174	9.5	93640.6	+0722.4
1906	9.3	75618.7	+0719.5	1906	9.3	82640.8	+0741.5	2086	9.1	90453.3	+0731.8	2175	9.2	93704.6	+0749.4
1907	9.5	75627.7	+0758.2	1907	9.0	82608.5	+0707.3	2087	9.5	90508.3	+0740.8	2176	9.5	93726.7	+0709.0
1908	8.5	75642.8	+0700.4	1908	9.5	82829.8	+0714.5	2088	9.5	90528.0	+0746.0	2177	9.5	93731.3	+0743.2
1909	9.4	75655.0	+0710.9	1909	9.5	82834.9	+0752.5	2089	9.4	90535.6	+0758.9	2178	9.5	93804.1	+0759.1
1910	8.3	75700.2	+0743.5	1910	9.5	82836.6	+0720.0	2090	9.5	90603.7	+0744.9	2179	9.5	93806.6	+0751.9
1911	9.4	75729.1	+0758.5	1911	9.0	82853.1	+0752.2	2091	9.5	90625.9	+0738.7	2180	9.5	93825.0	+0759.1
1912	8.7	75730.8	+0748.3	1912	8.5	82927.5	+0756.3	2092	9.1	90650.6	+0735.6	2181	5.8	93831.3	+0722.0
1913	9.5	75758.3	+0735.2	1913	8.7	82934.2	+0714.5	2093	9.3	90724.0	+0722.0	2182	8.1	93922.6	+0745.0
1914	8.9	75821.5	+0702.9	1914	8.5	82945.2	+0714.5	2094	9.5	90741.0	+0754.2	2183	6.8	93959.7	+0729.0
1915	9.5	75823.8	+0721.4	1915	9.5	83043.1	+0759.8	2095	9.5	90751.0	+0716.1	2184	9.5	94035.6	+0718.2
1916	9.0	75829.2	+0731.1	1916	9.5	83050.2	+0721.5	2096	9.5	90754.6	+0733.5	2185	9.5	94036.6	+0748.8
1917	9.2	75848.0	+0752.9	1917	9.5	83050.8	+0732.5	2097	9.3	90759.6	+0729.0	2186	9.5	94041.1	+0705.1
1918	9.0	75859.1	+0730.6	1918	8.3	83116.2	+0729.2	2098	9.5	90810.1	+0733.1	2187	9.5	94050.2	+0750.3
1919	9.1	75920.6	+0748.5	1919	9.0	83129.5	+0731.8	2099	8.3	90815.9	+0707.5	2188	9.5	94116.3	+0725.1
1920	8.8	75921.2	+0707.1	1920	9.5	83143.1	+0745.3	2100	9.5	90848.0	+0742.9	2189	9.5	94125.3	+0748.4
1921	7.8	75930.9	+0741.5	1921	8.0	83230.6	+0704.1	2101	8.8	90927.2	+0752.9	2190	9.5	94132.6	+0725.1
1922	9.3	75942.0	+0754.3	1922	9.5	83232.0	+0741.3	2102	8.6	90928.8	+0750.5	2191	9.2	94147.9	+0713.9
1923	9.2	80018.5	+0738.2	1923	8.5	83237.2	+0713.1	2103	9.3	90933.3	+0722.7	2192	9.5	94157.8	+0744.1
1924	9.5	80103.3	+0726.3	1924	8.7	83243.3	+0739.7	2104	9.5	90939.2	+0704.3	2193	9.0	94201.3	+0737.7
1925	9.5	80216.5	+0722.1	1925	9.3	83254.8	+0711.3	2105	9.0	90950.0	+0750.8	2194	9.5	94331.3	+0723.4
1926	9.3	80216.8	+0746.1	1926	9.0	83341.3	+0721.1	2106	9.5	91014.0	+0741.1	2195	9.3	94316.7	+0709.0
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1928	9.5	80236.9	+0741.2	1928	9.5	83416.1	+0747.8	2108	8.7	91040.0	+0740.8	2197	9.5	94432.3	+0702.1
1929	9.3	80240.8	+0727.5	1929	9.5	83416.5	+0727.7	2109	9.5	91158.3	+0756.4	2198	9.3	94449.6	+0735.3
1930	8.8	80310.9	+0724.3	1930	9.5	83455.2	+0724.6	2110	9.5	91209.5	+0723.5	2199	9.5	94517.3	+0739.1
1931	9.5	80316.8	+0724.6	1931	9.3	83508.6	+0751.9	2111	9.5	91251.6	+0743.9	2200	9.2	94541.0	+0713.7
1932	9.0	80345.7	+0738.6	1932	9.5	83515.5	+0747.0	2112	9.5	91302.4	+0703.7	2201	9.3	94613.0	+0748.1
1933	9.1	80347.6	+0726.6	1933	9.5	83608.0	+0757.2	2113	9.5	91319.8	+0750.1	2202	9.5	94620.3	+0754.7
1934	9.0	80356.3	+0721.1	1934	9.3	83747.5	+0726.8	2114	9.0	91348.0	+0726.1	2203	8.5	94621.7	+0737.7
1935	8.7	80356.7	+0759.6	1935	9.4	83816.1	+0706.6	2115	9.5	91402.9	+0753.0	2204	9.5	94651.0	+0730.4
1936	9.5	80423.0	+0704.8	1936	9.5	83903.5	+0736.3	2116	8.5	91428.1	+0717.8	2205	9.0	94659.6	+0745.7
1937	9.4	80423.9	+0758.4	1937	9.3	83905.3	+0723.2	2117	9.4	91447.8	+0708.5	2206	8.3	94714.6	+0751.0
1938	9.0	80448.2	+0724.6	1938	9.0	83917.8	+0740.5	2118	9.0	91448.6	+0728.3	2207	9.3	94743.6	+0729.7
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*07 2585 12h45m

+07 2586 12h46m

+07 2944 15h15m

2586	9.5	124631.3	+0757.2	2675	9.3	133037.4	+0728.0	2765	9.5	140954.4	+0744.2	2855	9.5	144624.8	+0743.2
2587	9.5	124634.8	+0753.0	2676	9.4	133146.1	+0737.4	2766	8.8	140956.7	+0725.1	2856	9.5	144631.5	+0736.3
2588	8.2	124636.7	+0732.3	2677	9.5	133232.3	+0702.1	2767	9.5	140957.6	+0759.9	2857	9.5	144657.9	+0700.9
2589	9.5	124717.4	+0735.0	2678	9.0	133251.7	+0735.2	2768	9.0	141058.7	+0730.2	2858	9.5	144707.3	+0707.2
2590	9.1	124748.5	+0724.9	2679	8.9	133319.1	+0717.2	2769	9.4	141215.5	+0703.1	2859	9.2	144713.8	+0722.9
2591	9.0	124752.6	+0753.2	2680	9.2	133344.7	+0746.8	2770	9.5	141241.7	+0749.5	2860	9.0	144715.8	+0742.9
2592	9.0	124840.0	+0736.0	2681	9.3	133424.5	+0748.5	2771	9.5	141304.4	+0706.4	2861	9.4	144730.5	+0720.1
2593	9.5	124840.9	+0708.4	2682	9.0	133534.4	+0713.0	2772	9.1	141412.8	+0706.4	2862	9.5	144737.8	+0729.4
2594	8.7	124903.6	+0740.8	2683	9.5	133537.4	+0745.0	2773	9.5	141505.4	+0733.5	2863	9.5	144747.0	+0719.0
2595	9.5	124914.8	+0701.5	2684	9.5	133556.7	+0708.5	2774	8.7	141511.4	+0740.4	2864	9.5	144804.9	+0759.6
2596	8.8	124920.7	+0749.5	2685	9.5	133722.4	+0705.8	2775	8.3	141621.8	+0704.1	2865	7.5	144815.3	+0724.2
2597	9.3	124946.0	+0734.7	2686	9.5	133757.1	+0744.4	2776	9.5	141624.2	+0755.0	2866	9.2	144837.3	+0736.4
2598	9.5	125013.4	+0716.4	2687	9.5	133757.5	+0708.5	2777	9.1	141639.8	+0748.7	2867	9.5	144919.5	+0755.0
2599	9.3	125117.8	+0753.3	2688	9.5	133852.0	+0703.0	2778	9.1	141709.2	+0740.1	2868	9.5	145038.1	+0730.5
2600	7.5	125201.1	+0717.7	2689	9.5	133939.4	+0723.1	2779	9.5	141715.1	+0753.7	2869	8.5	145104.3	+0728.7
2601	9.5	125318.4	+0719.9	2690	6.5	133947.1	+0705.1	2780	9.5	141756.5	+0707.6	2870	9.5	145109.8	+0754.0
2602	8.4	125417.2	+0748.2	2691	9.5	134015.7	+0716.8	2781	8.8	141842.8	+0707.6	2871	8.7	145145.7	+0711.1
2603	9.5	125535.4	+0728.8	2692	9.3	134016.5	+0702.3	2782	9.5	141844.7	+0737.4	2872	9.5	145207.8	+0741.5
2604	8.6	125539.3	+0747.0	2693	9.5	134023.4	+0741.9	2783	9.2	141849.4	+0735.6	2873	9.5	145240.8	+0752.4
2605	8.8	125553.6	+0708.8	2694	9.5	134030.1	+0748.8	2784	8.5	141850.6	+0753.6	2874	9.2	145246.9	+0732.5
2606	8.6	125557.4	+0736.8	2695	9.3	134055.2	+0752.5	2785	9.5	141906.7	+0708.2	2875	9.4	145248.0	+0736.3
2607	9.5	125633.0	+0759.9	2696	9.5	134128.8	+0705.8	2786	9.5	141928.4	+0722.0	2876	9.2	145251.3	+0730.8
2608	9.2	125638.4	+0751.5	2697	9.5	134131.1	+0716.2	2787	9.4	142006.1	+0721.4	2877	8.9	145255.5	+0723.3
2609	9.2	125640.3	+0743.1	2698	9.5	134133.4	+0707.8	2788	9.5	142026.0	+0709.7	2878	9.5	145258.1	+0705.5
2610	9.4	125754.8	+0715.3	2699	9.5	134146.4	+0731.8	2789	9.5	142027.7	+0721.0	2879	9.3	145329.3	+0745.1
2611	8.8	125920.7	+0713.0	2700	9.0	134155.4	+0714.1	2790	9.0	142043.7	+0736.3	2880	9.5	145340.3	+0720.4
2612	8.6	125924.6	+0755.4	2701	6.8	134214.5	+0703.9	2791	9.2	142114.8	+0723.8	2881	9.4	145414.8	+0712.5
2613	8.9	130007.2	+0719.1	2702	9.5	134215.7	+0731.8	2792	9.5	142132.0	+0734.5	2882	9.5	145450.8	+0713.5
2614	9.3	130122.2	+0753.8	2703	9.3	134236.8	+0709.0	2793	9.5	142134.9	+0754.3	2883	9.5	145530.1	+0712.4
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2641	9.4	131726.8	+0727.7	2730	9.5	135418.7	+0734.2	2820	9.5	143222.5	+0706.5	2910	9.5	150438.6	+0741.8
2642	9.5	131731.2	+0753.8	2731	9.5	135421.2	+0725.7	2821	9.5	143248.3	+0716.8	2911	9.5	150453.2	+0756.1
2643	9.5	131752.9	+0753.3	2732	9.5	135426.0	+0732.2	2822	8.3	143255.6	+0758.3	2912	8.9	150502.2	+0710.3
2644	9.5	131754.8	+0707.4	2733	9.5	135440.7	+0716.9	2823	9.5	143305.8	+0710.2	2913	8.8	150540.2	+0721.1
2645	9.5	131755.1	+0721.2	2734	9.5	135514.1	+0730.7	2824	9.1	143324.3	+0752.7	2914	8.6	150542.6	+0756.2
2646	9.5	131830.4	+0721.0	2735	9.5	135523.7	+0733.5	2825	9.5	143431.3	+0744.4	2915	9.5	150554.4	+0709.3
2647	9.5	131848.0	+0727.3	2736	9.5	135601.7	+0724.0	2826	9.5	143446.6	+0752.4	2916	9.3	150629.6	+0701.8
2648	8.6	131915.5	+0710.8	2737	9.2	135603.4	+0741.4	2827	9.5	143447.8	+0714.0	2917	9.5	150636.3	+0708.3
2649	9.0	132016.9	+0739.5	2738	9.5	135616.1	+0746.7	2828	9.5	143507.3	+0716.9	2918	9.0	150655.0	+0723.1
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4759	9.0	214506.3	+0708.9	4848	9.5	221233.7	+0729.6	4938	9.4	224555.0	+0746.6	5028	9.2	231802.0	+0746.5
4760	9.5	214536.8	+0706.9	4849	9.3	221233.9	+0752.5	4939	8.9	224610.9	+0740.0	5029	9.4	231825.4	+0723.3
4761	9.5	214555.1	+0730.1	4850	9.5	221327.7	+0751.5	4940	8.9	224627.0	+0709.9	5030	7.1	231905.7	+0751.8
4762	9.0	214626.1	+0729.4	4851	9.0	221336.4	+0733.5	4941	9.5	224627.9	+0736.6	5031	9.5	231929.1	+0713.6
4763	8.8	214655.4	+0707.7	4852	9.0	221339.7	+0713.0	4942	9.4	224636.6	+0746.1	5032	7.7	231957.4	+0716.2
4764	9.5	214655.8	+0718.7	4853	7.0	221344.2	+0727.0	4943	9.3	224700.7	+0755.6	5033	7.9	232042.6	+0750.0
4765	9.3	214822.5	+0727.6	4854	8.7	221355.5	+0757.3	4944	9.4	224701.0	+0740.3	5034	9.5	232142.8	+0741.6
4766	9.4	214841.5	+0720.1	4855	8.2	221406.5	+0753.2	4945	9.1	224709.4	+0737.0	5035	9.5	232214.4	+0711.0
4767	9.3	214845.0	+0749.8	4856	9.5	221439.5	+0752.2	4946	9.5	224743.5	+0740.7	5036	9.5	232225.2	+0725.6
4768	9.5	214919.1	+0717.5	4857	8.5	221454.1	+0709.9	4947	9.3	224837.3	+0755.2	5037	9.2	232232.1	+0706.8
4769	9.0	214922.1	+0740.7	4858	9.5	221455.3	+0733.1	4948	9.4	224921.2	+0733.9	5038	9.5	232236.8	+0738.2
4770	8.8	214926.2	+0757.0	4859	9.5	221517.5	+0700.4	4949	9.0	224927.8	+0746.1	5039	9.5	232246.8	+0712.2
4771	9.5	215003.8	+0751.6	4860	9.3	221531.7	+0734.0	4950	9.5	225028.3	+0753.7	5040	8.1	232324.4	+0711.9
4772	9.5	215047.3	+0709.3	4861	9.5	221534.0	+0715.2	4951	9.1	225047.4	+0748.1	5041	9.5	232353.7	+0709.4
4773	9.4	215127.8	+0728.6	4862	9.5	221604.9	+0749.9	4952	9.5	225158.5	+0733.9	5042	9.5	232413.0	+0750.7
4774	9.5	215150.9	+0707.4	4863	9.5	221607.9	+0741.3	4953	9.5	225200.5	+0719.9	5043	9.4	232436.9	+0740.6
4775	9.5	215205.1	+0746.6	4864	9.5	221611.5	+0754.3	4954	9.5	225218.9	+0729.7	5044	9.4	232506.7	+0759.6
4776	9.1	215250.1	+0733.0	4865	9.5	221641.7	+0731.1	4955	9.5	225237.1	+0739.2	5045	8.7	232517.1	+0719.9
4777	7.8	215338.3	+0709.7	4866	9.5	221645.6	+0756.1	4956	9.4	225244.4	+0710.1	5046	9.4	232540.1	+0759.3
4778	8.5	215356.5	+0757.2	4867	9.5	221705.2	+0756.2	4957	9.1	225312.7	+0706.9	5047	9.5	232555.5	+0751.4
4779	5.8	215358.0	+0733.7	4868	8.3	221719.7	+0727.4	4958	8.4	225318.0	+0758.7	5048	9.5	232604.1	+0711.1
4780	9.4	215430.3	+0710.0	4869	9.4	221751.7	+0748.3	4959	8.9	225321.7	+0711.5	5049	9.4	232620.4	+0710.3
4781	9.1	215435.9	+0701.7	4870	9.5	221756.1	+0745.0	4960	8.5	225355.2	+0713.4	5050	9.0	232633.2	+0713.2
4782	9.2	215457.9	+0727.3	4871	9.5	221759.3	+0741.1	4961	8.5	225434.7	+0752.9	5051	9.5	232641.8	+0735.0
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4784	8.2	215528.3	+0749.1	4873	8.0	221906.1	+0710.0	4963	8.6	225554.7	+0752.8	5053	9.0	232647.0	+0710.7
4785	8.7	215544.1	+0733.8	4874	9.3	221910.5	+0733.5	4964	9.5	225604.7	+0700.6	5054	9.3	232654.6	+0758.8
4786	9.5	215547.8	+0758.0	4875	9.3	221914.2	+0737.1	4965	9.5	225638.5	+0728.2	5055	8.5	232656.4	+0754.7
4787	8.7	215557.0	+0719.5	4876	9.2	222023.2	+0729.0	4966	9.5	225654.2	+0701.0	5056	8.8	232702.4	+0707.0
4788	9.3	215629.7	+0725.6	4877	9.0	222038.2	+0738.0	4967	8.8	225704.7	+0724.5	5057	9.1	232703.4	+0730.8
4789	9.5	215718.0	+0704.8	4878	9.5	222118.8	+0720.5	4968	9.4	225711.6	+0711.1	5058	9.5	232711.4	+0725.8
4789a	9.5	215721.0	+0715.7	4879	9.5	222119.8	+0716.5	4969	9.2	225712.3	+0724.2	5059	6.5	232804.6	+0743.4
4790D	9.0	215742.0	+0705.3	4880	8.2	222216.2	+0716.3	4970	9.5	225724.8	+0747.5	5060	7.2	232813.7	+0735.1
4791	9.3	215742.0	+0711.4	4881	9.5	222243.2	+0729.2	4971	8.5	225735.7	+0706.4	5061	9.5	232917.8	+0746.7
4792	9.5	215826.5	+0750.4	4882	9.4	222330.2	+0753.5	4972	9.5	225740.0	+0739.4	5062	9.5	232921.1	+0714.7
4793	9.1	215848.5	+0737.8	4883	7.9	222343.0	+0741.0	4973	9.5	225818.5	+0741.1	5063	9.5	233004.1	+0752.4
4794	9.5	215905.2	+0758.2	4884	9.4	222404.1	+0729.6	4974	9.4	225914.3	+0740.4	5064	9.1	233059.1	+0751.1
4795	9.5	215951.4	+0732.5	4885	9.5	222431.2	+0700.0	4975	9.0	225932.3	+0753.8	5065	9.5	233116.1	+0751.3
4796	9.5	215954.7	+0758.4	4886	7.9	222432.6	+0703.0	4976	9.3	225952.1	+0738.0	5066	8.5	233129.1	+0730.6
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4798	9.2	220036.6	+0727.4	4888	9.2	222519.3	+0732.4	4978	9.3	230043.7	+0749.0	5068	9.3	233142.5	+0731.1
4799	9.2	220040.6	+0701.6	4889	9.5	222624.7	+0756.6	4979	9.0	230113.9	+0704.8	5069	9.5	233153.7	+0720.2
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326	9.5	15929.4	+0642.9	416	9.5	23657.5	+0624.2	506	9.2	30825.1	+0632.2	596	9.5	34521.7	+0638.6
327	8.3	15932.4	+0636.6	417	9.2	23708.8	+0602.6	507	9.3	30906.3	+0652.9	597	9.5	34523.5	+0607.4
328	8.8	20044.5	+0624.8	418	9.0	23711.5	+0635.6	508	7.5	30927.0	+0616.8	598	9.2	34529.4	+0605.7
329	8.7	20112.9	+0601.6	419	8.8	23730.2	+0651.6	509	9.5	30955.0	+0642.5	599	9.5	34600.3	+0618.4
330	8.5	20117.4	+0636.2	420	8.5	23816.0	+0637.7	510	9.5	30955.8	+0638.4	600	9.0	34602.4	+0625.6
331	8.5	20118.1	+0619.2	421	9.3	23922.5	+0638.8	511D	9.5	31058.0	+0653.4	601	9.5	34605.7	+0639.5
332	9.5	20222.9	+0600.4	422	9.3	23951.0	+0607.3	512	8.8	31101.9	+0652.2	602	9.5	34740.7	+0629.5
333	9.5	20223.9	+0642.6	423	9.3	24009.0	+0611.0	513	9.5	31103.8	+0634.9	603	9.5	34749.2	+0614.6
334	8.8	20321.0	+0652.0	424	9.2	24014.1	+0633.3	514	9.5	31108.5	+0607.7	604	9.5	34824.7	+0653.9
335	9.5	20438.2	+0632.1	425	9.5	24017.8	+0657.1	515	9.0	31110.0	+0645.4	605	7.8	34851.2	+0617.0
336	9.5	20456.0	+0656.7	426	8.8	24024.4	+0614.5	516	9.3	31111.4	+0656.8	606	9.0	34926.2	+0630.9
337	9.5	20618.7	+0606.7	427	8.5	24033.3	+0642.2	517	8.8	31119.1	+0653.8	607	8.5	34952.2	+0627.4
338	9.5	20635.5	+0641.6	428	8.2	24044.1	+0656.2	518	9.5	31140.3	+0601.5	608	9.5	34954.7	+0621.2
339	9.5	20643.8	+0652.8	429	8.5	24045.0	+0643.3	519	9.5	31215.0	+0621.3	609	9.4	35058.1	+0622.4
340	9.5	20743.5	+0636.0	430	9.5	24121.5	+0630.2	520	9.5	31254.0	+0657.5	610	9.5	35118.9	+0651.3
341	9.3	20751.0	+0627.0	431	9.0	24135.0	+0626.6	521	9.5	31303.0	+0614.4	611	9.4	35129.0	+0652.8
342	8.5	20838.0	+0616.0	432	9.5	24139.0	+0643.7	522	9.5	31510.5	+0616.5	612	9.5	35146.2	+0627.7
343	9.3	20847.0	+0618.0	433	8.5	24235.5	+0605.4	523	9.3	31536.0	+0639.5	613	9.5	35158.2	+0654.8
344	8.3	21039.5	+0601.9	434	9.5	24236.9	+0619.9	524	9.5	31620.7	+0658.7	614	9.5	35308.2	+0653.2
345	8.7	21126.0	+0648.2	435	9.5	24245.4	+0601.6	525	9.3	31646.5	+0628.6	615	9.3	35322.2	+0620.5
346	9.4	21151.8	+0640.2	436	8.1	24354.2	+0657.1	526	9.5	31657.4	+0606.7	616	9.5	35415.7	+0647.3
347	8.7	21211.2	+0600.7	437	9.1	24354.9	+0652.8	527	9.0	31721.9	+0651.7	617	8.7	35419.8	+0607.1
348	9.0	21245.3	+0608.6	438	9.5	24423.0	+0622.8	528	9.5	31801.0	+0618.3	618	9.3	35444.2	+0650.0
349	8.0	21255.0	+0647.7	439	9.3	24433.9	+0626.3	529	9.2	31808.8	+0658.9	619	9.0	35445.9	+0638.2
350	8.3	21329.6	+0656.5	440	9.5	24445.0	+0617.0	530	8.8	31901.4	+0609.1	620	9.5	35446.5	+0615.3
351	9.5	21432.5	+0611.4	441	9.4	24507.3	+0644.4	531	9.5	31928.0	+0611.7	621	9.5	35455.2	+0629.9
352	9.5	21450.9	+0609.6	442	9.5	24519.3	+0636.6	532	9.5	31947.5	+0651.9	622	9.3	35518.7	+0617.3
353	9.5	21451.6	+0652.7	443	9.5	24538.1	+0636.4	533	9.2	32014.7	+0644.7	623	9.5	35520.9	+0654.2
354	9.5	21458.7	+0610.9	444	9.5	24604.4	+0647.5	534	9.5	32019.4	+0653.3	624	9.4	35533.5	+0644.3
355	9.0	21525.6	+0656.4	445	9.5	24719.5	+0635.0	535	8.2	32030.0	+0647.4	625	9.0	35554.0	+0624.3
356	9.5	21554.0	+0637.0	446	9.0	24721.3	+0629.4	536	9.3	32138.0	+0608.1	626	9.0	35610.2	+0609.3
357	9.5	21643.1	+0604.6	447	9.2	24744.5	+0621.4	537	9.5	32155.8	+0609.9	627	9.5	35617.5	+0649.6
358	9.5	21646.4	+0626.3	448	8.5	24803.0	+0640.6	538	9.0	32158.1	+0652.8	628	9.5	35631.6	+0643.6
359	9.5	21742.1	+0640.4	449	9.5	24829.4	+0651.0	539	9.3	32200.1	+0605.7	629	9.4	35730.2	+0653.4
360	8.5	21757.0	+0634.6	450	9.5	24831.7	+0602.2	540	8.0	32318.5	+0642.8	630	9.5	35748.3	+0656.7
361	9.0	21815.0	+0619.7	451	9.3	24902.3	+0606.7	541	9.0	32338.5	+0629.3	631	9.2	35827.5	+0603.5
362	8.8	21819.3	+0632.1	452	9.5	24941.3	+0606.6	542	9.3	32357.0	+0639.4	632	9.4	35902.0	+0622.2
363	9.5	21854.5	+0650.6	453	9.0	24956.0	+0635.0	543	9.5	32409.7	+0659.0	633	9.0	35915.7	+0603.7
364	9.5	21857.2	+0656.3	454	9.3	25001.9	+0619.0	544	9.5	32411.3	+0624.6	634	9.5	40027.2	+0640.7
365	9.3	21906.8	+0603.1	455	8.8	25007.0	+0626.1	545	9.5	32438.1	+0651.8	635	9.5	40042.2	+0627.1
366	9.2	21908.0	+0612.3	456	9.2	25011.2	+0651.8	546	9.4	32502.0	+0624.9	636	8.5	40101.7	+0623.6
367	9.2	21913.1	+0657.8	457	9.5	25021.1	+0658.5	547	9.5	32509.0	+0639.5	637	7.2	40141.9	+0621.1
368	9.5	21928.1	+0608.1	458	9.3	25118.5	+0644.0	548	9.0	32517.8	+0608.8	638	9.3	40229.3	+0629.7
369	9.5	21947.0	+0645.0	459	9.5	25139.4	+0609.6	549	9.5	32527.5	+0657.2	639	9.2	40233.8	+0646.0
370	8.8	22103.5	+0634.0	460	7.8	25144.0	+0604.9	550	9.0	32553.2	+0634.9	640	9.1	40247.1	+0603.2
371	9.2	22120.0	+0609.6	461	8.7	25202.7	+0656.4	551	9.5	32555.0	+0655.7	641	9.1	40257.6	+0654.0
372	9.5	22120.0	+0640.9	462	9.3	25210.4	+0631.7	552	8.0	32602.5	+0625.6	642	8.8	40317.9	+0654.5
373	9.2	22131.0	+0636.4	463	9.2	25218.3	+0631.7	553	8.9	32607.9	+0656.9	643	8.7	40320.0	+0621.1
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375	9.4	22223.3	+0633.7	465	9.5	25403.0	+0641.6	555	9.0	32659.5	+0621.4	645	8.9	40410.3	+0655.9
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379	9.5	22415.0	+0637.0	469	9.5	25558.1	+0602.6	559	9.5	32827.0	+0614.7	649	9.3	40624.1	+0606.6
380	7.8	22436.8	+0604.2	470	8.3	25616.3	+0642.9	560	9.3	32920.5	+0623.8	650	9.3	40631.3	+0614.5
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384	8.0	22520.5	+0618.4	474	8.8	25729.2	+0638.1	564	8.5	33207.5	+0619.2	654	9.5	40931.2	+0652.5
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386	9.2	22613.7	+0659.7	476	9.5	25838.7	+0651.8	566	9.3	33243.5	+0639.8	656	9.1	41013.3	+0630.1
387	9.3	22616.0	+0618.3	477	9.5	25845.3	+0603.4	567	9.5	33252.3	+0629.3	657	9.2	41027.4	+0656.5
388	9.5	22622.0	+0629.8	478	9.0	25854.3	+0626.1	568	8.7	33301.0	+0615.1	658	9.0	41108.6	+0655.1
389	9.3	22630.5	+0623.2	479	9.5	25925.7	+0652.0	569	9.5	33340.5	+0635.5	659	9.5	41131.0	+0609.2
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391	9.3	22720.0	+0616.2	481	9.4	25957.4	+0611.1	571	8.5	33404.3	+0650.7	661	9.5	41140.0	+0617.0
392	7.0	22726.5	+0650.5	482	8.5	25958.7	+0640.9	572	9.4	33411.0	+0648.1	662	9.5	41212.3	+0602.4
393	8.5	22731.0	+0610.2	483	8.0	30014.7	+0641.2	573	9.5	33522.8	+0615.9	663	8.9	41214.0	+0610.4
394	8.9	22741.7	+0641.5	484	9.0	30019.5	+0614.6	574	8.7	33542.5	+0649.9	664	9.3	41302.8	+0608.3
395	9.3	22744.5	+0650.9	485	7.9	30043.5	+0609.7	575	9.5	33552.0	+0638.7	665	9.5	41326.5	+0635.4
396	9.3	22755.0	+0635.3	486	8.3	30128.0	+0654.5	576	9.0	33552.8	+0622.7	666	9.4	41347.0	+0653.1
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398	6.5	22810.8	+0610.4	488	8.3	30213.0	+0608.8	578	9.5	33630.0	+0654.5	668	9.4	41353.4	+0653.4
399	9.4	22816.5	+0652.9	489	9.5	30213.3	+0625.3	579	9.3	33642.5	+0629.0	669	8.8	41358.8	+0610.7
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401	9.3	22946.3	+0624.5	491	9.5	30251.0	+0635.2	581	8.0	33719.5	+0610.5	671	9.0	41522.5	+0631.5
402	8.8	22950.5													

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+06 1765 7h35m

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1773	8.5	73708.4	+0636.1	1863	9.5	75539.6	+0607.7	1953	9.3	81843.6	+0615.7	2043	8.8	84138.1	+0625.2
1774	9.5	73720.7	+0650.2	1864	8.2	75607.5	+0643.9	1954	9.3	81846.0	+0623.1	2044	8.8	84139.5	+0635.9
1775	8.8	73821.1	+0643.3	1865	9.5	75608.8	+0618.8	1955	9.3	81902.2	+0627.6	2045	8.5	84142.1	+0614.8
1776	8.5	73827.4	+0635.1	1866	9.5	75611.0	+0610.8	1956	9.2	81902.9	+0606.8	2046	9.0	84217.9	+0600.5
1777	8.8	73842.3	+0649.2	1867	8.3	75704.6	+0635.7	1957	9.1	81913.0	+0636.9	2047	9.5	84305.1	+0653.0
1778	8.2	73915.7	+0624.2	1868	9.4	75714.6	+0608.5	1958	8.8	81928.8	+0645.8	2048	9.4	84334.2	+0652.7
1779	9.2	73935.4	+0624.2	1869	8.0	75742.3	+0614.1	1959	9.3	82014.6	+0605.0	2049	9.4	84410.2	+0656.7
1780	9.4	73944.0	+0621.9	1870	9.3	75802.2	+0631.1	1960	9.5	82022.2	+0612.0	2050	9.0	84424.5	+0651.7
1781	9.0	73949.8	+0604.6	1871	8.9	75817.4	+0624.1	1961	9.3	82125.3	+0620.6	2051	8.7	84459.8	+0620.0
1782	9.5	73950.1	+0614.6	1872	8.8	75851.2	+0647.5	1962	8.7	82147.4	+0632.1	2052	8.7	8457.5	+0643.9
1783	8.5	74037.9	+0639.6	1873	9.0	75853.2	+0656.8	1963	8.5	82100.0	+0636.6	2053	9.1	84550.4	+0605.4
1784	9.4	74043.4	+0613.8	1874	9.5	75937.1	+0630.6	1964	9.3	82111.1	+0648.9	2054	9.5	84666.1	+0626.0
1785	9.5	74046.2	+0627.0	1875	9.5	75941.7	+0634.0	1965	9.2	82129.7	+0637.0	2055	9.5	84611.3	+0615.2
1786	9.3	74050.3	+0609.5	1876	9.5	80000.0	+0609.8	1966	9.0	82145.4	+0629.0	2056	8.7	84611.7	+0653.1
1787	9.2	74056.0	+0648.5	1877	9.5	80005.4	+0606.1	1967	9.0	82149.0	+0657.1	2057	7.9	84651.4	+0600.9
1788	9.0	74123.9	+0626.8	1878	9.5	80010.3	+0643.8	1968	9.3	82155.6	+0649.2	2058	9.3	84658.5	+0642.2
1789	8.4	74124.8	+0606.3	1879	9.5	80105.0	+0647.5	1969	9.3	82221.5	+0655.7	2059	9.5	84702.0	+0601.2
1790	8.3	74148.2	+0600.9	1880	9.5	80113.6	+0655.5	1970	8.9	82229.1	+0614.8	2060	3.0	84741.1	+0629.5
1791	8.5	74219.4	+0635.2	1881	7.7	80149.3	+0621.0	1971	9.3	82234.1	+0648.0	2061	7.9	84746.7	+0607.0
1792	8.0	74240.3	+0606.3	1882	9.4	80158.3	+0650.2	1972	9.4	82244.0	+0623.0	2062	9.0	84753.5	+0659.9
1793	9.5	74240.5	+0621.1	1883	9.2	80205.3	+0649.9	1973	9.5	82245.4	+0626.3	2063	8.9	84756.2	+0642.1
1794	9.0	74249.8	+0641.0	1884	8.7	80320.0	+0615.1	1974	8.5	82253.5	+0653.9	2064	9.5	84812.2	+0650.2
1795	7.7	74306.3	+0612.9	1885	8.7	80325.3	+0646.8	1975	9.5	82312.1	+0632.9	2065	9.1	84813.4	+0634.6
1796	9.5	74324.1	+0611.9	1886	8.5	80331.6	+0649.5	1976	9.2	82327.9	+0609.2	2066	9.5	84845.5	+0638.5
1797	8.7	74329.9	+0618.3	1887	8.3	80346.7	+0626.9	1977	8.8	82346.1	+0650.9	2067	9.3	84846.5	+0642.5
1798	9.3	74356.4	+0644.0	1888	9.5	80354.2	+0624.0	1978	9.5	82359.5	+0628.3	2068	9.5	84906.9	+0633.9
1799	9.0	74402.8	+0611.2	1889	8.2	80354.7	+0635.8	1979	9.0	82403.2	+0646.7	2069	9.3	84931.3	+0611.8
1800	9.3	74404.3	+0651.4	1890	9.5	80406.1	+0624.9	1980	9.3	82405.5	+0621.8	2070	8.8	84937.3	+0622.5
1801	9.1	74408.8	+0637.5	1891	8.5	80408.6	+0613.1	1981	8.8	82406.9	+0605.4	2071	8.5	84955.5	+0627.4
1802	9.3	74437.3	+0604.6	1892	9.5	80412.6	+0607.9	1982	9.3	82427.4	+0614.5	2072	9.5	85014.1	+0657.9
1803	9.3	74441.0	+0612.4	1893	9.5	80426.0	+0609.4	1983	7.5	82456.4	+0611.8	2073	9.3	85023.1	+0613.8
1804	9.2	74444.3	+0637.7	1894	9.5	80428.5	+0606.9	1984	9.5	82510.5	+0628.4	2074	9.5	85043.0	+0634.7
1805	9.4	74446.4	+0636.0	1895	9.5	80432.0	+0611.0	1985	8.8	82513.3	+0659.4	2075	9.5	85105.3	+0601.0
1806	9.1	74455.2	+0642.3	1896	9.5	80500.8	+0606.0	1986	9.0	82529.1	+0625.2	2076	9.5	85107.8	+0622.9
1807	9.5	74511.7	+0630.7	1897	9.5	80537.9	+0609.3	1987	9.5	82541.6	+0600.6	2077	9.5	85125.5	+0652.3
1808	9.3	74519.2	+0610.3	1898	9.4	80547.0	+0611.8	1988	9.3	82606.5	+0643.9	2078	8.9	85139.6	+0618.2
1809	8.8	74540.3	+0644.2	1899	9.5	80548.9	+0617.9	1989	9.3	82631.1	+0608.1	2079	8.7	85151.4	+0655.2
1810	9.3	74546.9	+0656.0	1900	7.3	80608.5	+0644.3	1990	9.0	82716.8	+0614.1	2080	9.5	85151.8	+0609.7
1811	9.5	74606.4	+0644.9	1901	9.3	80642.0	+0622.7	1991	9.5	82736.7	+0657.3	2081	9.3	85216.5	+0641.5
1812	9.3	74621.5	+0614.6	1902	8.9	80645.8	+0602.8	1992	9.5	82824.8	+0622.3	2082	9.5	85238.8	+0646.7
1813	9.4	74709.0	+0626.1	1903	9.5	80655.1	+0647.7	1993	9.5	82839.1	+0653.7	2083	8.8	85302.4	+0657.0
1814	9.3	74711.8	+0626.3	1904	9.5	80708.8	+0628.3	1994	9.5	82847.6	+0656.0	2084	8.8	85316.2	+0634.6
1815	9.3	74725.3	+0617.8	1905	9.3	80710.0	+0639.2	1995	9.3	82923.3	+0626.0	2085	9.5	85320.4	+0614.2
1816	9.5	74739.5	+0628.3	1906	9.5	80720.5	+0632.6	1996	8.5	82933.5	+0630.0	2086	9.5	85338.8	+0601.4
1817	9.5	74739.6	+0633.8	1907	9.5	80744.9	+0631.7	1997	9.3	82934.0	+0610.7	2087	6.5	85352.2	+0612.4
1818	9.5	74747.9	+0647.2	1908	9.2	80805.8	+0601.4	1998	9.0	82937.1	+0627.9	2088	9.0	85355.5	+0604.3
1819	9.5	74749.3	+0650.5	1909	9.3	80806.6	+0616.7	1999	9.5	82944.7	+0638.9	2089	8.0	85410.7	+0613.5
1820	8.8	74753.5	+0611.8	1910	9.5	80812.0	+0608.3	2000	9.3	82950.4	+0637.4	2090	9.3	85510.5	+0636.3
1821	9.2	74759.8	+0621.8	1911	9.5	80825.5	+0605.0	2001	4.5	82959.1	+0613.4	2091	9.0	85511.6	+0633.2
1822	8.7	74807.4	+0627.0	1912	9.5	80826.3	+0645.6	2002	9.3	83006.6	+0634.8	2092	9.2	85516.5	+0605.9
1823	8.1	74813.0	+0653.8	1913	9.3	80852.1	+0609.2	2003	9.3	83013.1	+0653.9	2093	9.5	85540.2	+0613.3
1824	8.7	74813.3	+0612.1	1914	9.0	80834.2	+0634.0	2004	9.0	83030.5	+0618.6	2094	9.5	85544.4	+0625.4
1825	9.4	74815.0	+0659.6	1915	8.3	80837.6	+0643.8	2005	8.5	83033.2	+0653.1	2095	8.8	85630.8	+0621.8
1826	8.5	74833.2	+0611.8	1916	9.4	80904.2	+0639.4	2006	9.5	83132.8	+0633.2	2096	9.3	85656.8	+0653.5
1827	9.0	74836.4	+0556.5	1917	9.5	80904.4	+0633.3	2007	8.0	83201.2	+0617.0	2097	9.3	85707.0	+0621.0
1828	8.2	74847.1	+0647.3	1918	9.5	80913.7	+0600.9	2008	8.8	83202.4	+0617.4	2098	9.5	85709.5	+0659.7
1829	9.3	74924.5	+0616.4	1919	7.3	80954.2	+0642.0	2009	9.5	83219.5	+0604.5	2099	9.5	85733.2	+0632.3
1830	8.8	74946.4	+0634.6	1920	9.0	80957.8	+0628.0	2010	9.5	83226.8	+0635.3	2100	9.5	85736.5	+0653.7
1831	9.4	74952.6	+0638.8	1921	9.5	81012.2	+0606.9	2011	9.5	83256.8	+0639.5	2101	9.5	85756.0	+0605.8
1832	8.8	75002.7	+0647.6	1922	9.0	81012.7	+0655.4	2012	9.5	83354.0	+0618.9	2102	9.5	85837.8	+0622.1
1833	9.4	75010.7	+0654.5	1923	7.0	81015.8	+0640.3	2013	9.5	83427.3	+0640.2	2103	9.5	85848.1	+0603.6
1834	9.5	75012.5	+0628.0	1924	8.5	81038.6	+0626.7	2014	9.2	83429.9	+0638.7	2104	9.0	85850.8	+0649.8
1835	9.5	75014.8	+0600.3	1925	9.3	81059.5	+0618.4	2015	9.1	83434.5	+0623.5	2105	9.2	85919.0	+0603.9
1836	9.3	75034.1	+0651.8	1926	9.5	81103.3	+0649.1	2016	9.3	83458.2	+0646.6	2106	9.5	85946.8	+0618.3
1837	9.0	75053.5	+0636.3	1927	9.3	81121.9	+0622.1	2017	8.8	83458.9	+0603.8	2107	8.5	85949.0	+0654.2
1838	9.3	75055.8	+0607.6	1928	8.7	81127.8	+0608.1	2018	9.5	83510.5	+0608.5	2108	9.5	86003.9	+0604.7
1839	9.2	75058.6	+0628.6	1929	8.9	81152.4	+0605.6	2019	9.5	83519.1	+0604.9	2109	8.0	86012.5	+0611.4
1840	7.4	75103.4	+0601.0	1930											

*06 2126 9h05m

*06 2480 11h52m

2126	9.5	90533.7	+0604.5	2215	9.2	94143.3	+0642.0	2305	8.7	101750.1	+0636.5	2393	9.2	105442.6	+0626.9
2127	9.3	90537.8	+0633.6	2216	9.5	94212.3	+0656.9	2306	9.5	101846.7	+0620.5	2394	9.5	105512.0	+0659.3
2128	9.5	90542.0	+0615.5	2217	9.5	94216.0	+0637.9	2307	9.5	101851.1	+0601.0	2395	9.5	105628.3	+0651.7
2129	8.0	90543.0	+0624.6	2218	9.5	94231.6	+0632.1	2308	8.5	101906.4	+0647.3	2396	8.8	105636.7	+0638.6
2130	8.7	90555.2	+0632.9	2219	9.3	94301.6	+0631.8	2309	9.5	101953.8	+0617.3	2397	8.2	105649.1	+0600.4
2131	8.5	90625.7	+0631.1	2220	9.5	94439.7	+0617.4	2310	9.5	102018.8	+0603.2	2398	8.5	105651.5	+0634.8
2132	9.5	90627.1	+0653.1	2221	9.1	94456.1	+0657.3	2311	7.9	102147.3	+0659.8	2399	9.3	105734.7	+0659.7
2133	9.3	90630.7	+0655.9	2222	9.5	94507.8	+0654.3	2312	9.4	102152.4	+0626.7	2400	9.5	105738.5	+0601.0
2134	8.8	90704.7	+0645.4	2223	9.3	94544.3	+0633.4	2313	9.5	102225.2	+0627.5	2401	8.0	105911.2	+0613.1
2135	9.2	90738.2	+0637.4	2224	6.5	94606.1	+0638.8	2314	9.5	102229.1	+0637.5	2402	9.5	105914.0	+0642.0
2136	8.5	90739.0	+0607.0	2225	9.5	94634.8	+0614.0	2315	8.5	102248.4	+0628.4	2403	9.5	105956.0	+0653.6
2137	8.8	90823.4	+0642.4	2226	9.4	94641.6	+0646.3	2316	8.1	102328.5	+0605.6	2404	8.7	110003.0	+0638.6
2138	9.2	90842.6	+0601.8	2227	9.2	94642.1	+0629.2	2317	9.5	102704.7	+0652.3	2405	9.5	110009.0	+0611.3
2139	9.0	90854.0	+0600.5	2228	9.5	94740.2	+0650.6	2318	8.9	102745.8	+0633.5	2406	9.2	110016.6	+0651.7
2140	9.0	90910.5	+0624.6	2229	9.3	94819.1	+0641.3	2319	9.5	102749.5	+0637.6	2407	9.4	110047.3	+0653.2
2141	9.0	90928.4	+0634.0	2230	9.5	94842.5	+0631.2	2320	9.3	102800.4	+0659.6	2408	9.4	110142.8	+0659.2
2142	8.8	90950.2	+0603.6	2231	9.2	94908.9	+0610.2	2321	9.5	102814.3	+0607.0	2409	8.8	110223.0	+0632.4
2143	9.3	91005.5	+0626.3	2232	9.5	94916.0	+0627.8	2322	9.2	102824.4	+0625.1	2410	9.3	110226.4	+0657.1
2144	9.5	91028.4	+0630.5	2233	8.9	95003.9	+0653.9	2323	9.5	102828.5	+0634.8	2411	9.5	110231.5	+0627.2
2145	9.5	91044.0	+0640.9	2234	9.1	95011.4	+0620.1	2324	9.3	102934.1	+0659.9	2412	9.3	110301.5	+0656.4
2146	9.3	91108.9	+0613.1	2235	9.5	95028.6	+0622.8	2325	9.3	103021.8	+0606.8	2412a30.0	110321.0	+0614.9	
2147	9.3	91226.6	+0620.8	2236	9.5	95057.1	+0606.0	2326	7.7	103055.1	+0640.9	2413	9.0	110351.6	+0645.5
2148	9.5	91234.5	+0635.4	2237	8.0	95107.7	+0648.4	2327	9.3	103057.6	+0608.2	2414	9.0	110416.0	+0636.6
2149	9.3	91242.4	+0613.2	2238	9.4	95118.6	+0629.5	2328	7.7	103110.1	+0628.8	2415	9.5	110427.5	+0619.1
2150	9.5	91252.4	+0637.1	2239	8.3	95214.1	+0618.4	2329	9.0	103116.4	+0643.6	2416	9.5	110505.3	+0652.8
2151	9.5	91310.5	+0609.4	2240	8.0	95237.2	+0656.1	2330	9.5	103126.1	+0639.7	2417	9.3	110511.2	+0612.5
2152	9.5	91338.5	+0644.7	2241	9.5	95302.6	+0603.9	2331	9.5	103211.3	+0620.3	2418	8.5	110531.2	+0600.7
2153	8.3	91363.0	+0607.6	2242	9.0	95342.3	+0632.0	2332	9.5	103212.2	+0609.9	2419	8.5	110618.4	+0644.6
2154	9.0	91357.4	+0625.3	2243	9.0	95342.9	+0635.1	2333	9.5	103237.5	+0656.5	2420	8.5	110648.6	+0646.1
2155	8.0	91429.1	+0611.7	2244	9.5	95426.3	+0655.0	2334	9.2	103302.8	+0638.3	2421	8.3	110700.3	+0603.2
2156	8.8	91430.5	+0644.0	2245	9.5	95506.0	+0630.0	2335	8.9	103305.2	+0613.8	2422	8.0	110703.2	+0646.9
2157	8.4	91438.2	+0654.7	2246	8.8	95527.5	+0623.0	2336	9.5	103326.4	+0652.0	2423	9.3	110720.6	+0624.2
2158	9.5	91443.4	+0646.4	2247	8.6	95541.7	+0645.6	2337	8.9	103328.7	+0633.8	2424	9.5	110734.4	+0604.1
2159	9.4	91459.0	+0651.0	2248	9.5	95551.5	+0603.9	2338	9.5	103444.9	+0648.9	2425	8.5	110744.0	+0614.6
2160	9.5	91515.0	+0637.5	2249	9.5	95604.6	+0641.3	2339	9.5	103538.9	+0636.9	2426	9.1	110821.3	+0625.2
2161	9.1	91532.4	+0609.5	2250	9.0	95645.8	+0606.6	2340	9.0	103609.7	+0644.2	2427	8.8	111022.2	+0625.9
2162	9.3	91567.0	+0605.7	2251	8.9	95647.1	+0643.3	2341	9.0	103633.5	+0644.5	2428	9.1	111035.3	+0652.0
2163	8.5	91568.9	+0624.6	2252	9.0	95648.6	+0618.1	2342	9.0	103644.6	+0639.3	2428a	9.6	111045.2	+0657.7
2164	9.5	91584.9	+0658.8	2253	9.4	95706.0	+0613.0	2343	8.5	103706.0	+0615.3	2429	8.8	111125.2	+0604.4
2165	8.8	91617.5	+0620.9	2254	9.5	95827.5	+0645.0	2344	8.8	103715.3	+0647.9	2430	9.5	111143.4	+0658.2
2166	9.2	91622.5	+0613.3	2255	9.4	95841.5	+0602.5	2345	9.5	103719.5	+0625.0	2431	9.1	111147.1	+0628.5
2167	8.5	91635.4	+0616.4	2256	9.3	95848.3	+0612.2	2346	9.4	103733.5	+0637.3	2432	8.9	111159.1	+0628.7
2168	9.3	91645.2	+0613.3	2257	9.4	95855.9	+0609.2	2347	8.2	103812.2	+0608.3	2433	8.9	111213.7	+0658.6
2169	7.2	91650.8	+0657.7	2258	9.2	95859.7	+0613.9	2348	9.5	103937.0	+0639.8	2434	9.0	111236.6	+0626.6
2170	9.1	91715.5	+0614.6	2259	6.9	95913.5	+0619.6	2349	9.2	104015.0	+0628.6	2435	9.3	111301.7	+0635.1
2171	9.5	91719.4	+0637.2	2260	9.0	95952.7	+0646.5	2350	9.5	104034.0	+0641.9	2436	9.5	111302.0	+0616.9
2172	9.1	91721.5	+0615.0	2261	9.0	95953.9	+0613.7	2351	9.3	104046.0	+0632.2	2437	4.3	111340.1	+0648.7
2173	7.7	91742.3	+0652.2	2262	8.5	100053.5	+0619.5	2352	9.4	104119.6	+0627.4	2438	9.0	111348.3	+0632.2
2174	8.9	91873.0	+0624.4	2263	9.3	100053.5	+0619.5	2353	9.3	104122.1	+0601.4	2439	9.2	111359.3	+0627.0
2175	9.0	91912.2	+0634.5	2264	9.5	100129.8	+0624.6	2354	9.5	104125.5	+0632.7	2440	9.5	111435.9	+0630.1
2176	9.3	91927.4	+0648.2	2265	7.1	100129.3	+0653.0	2355	9.0	104147.8	+0642.0	2441	9.5	111536.0	+0600.3
2177	7.3	91939.5	+0651.0	2266	9.5	100202.9	+0626.1	2356	9.3	104149.1	+0636.1	2442	9.3	111548.6	+0628.2
2178	9.5	91950.3	+0658.5	2267	9.5	100355.7	+0619.3	2357	9.3	104149.4	+0627.2	2443	8.7	111558.2	+0654.6
2179	9.1	92026.4	+0626.7	2268	8.0	100356.1	+0653.2	2358	9.5	104205.0	+0645.8	2444	9.4	111616.2	+0647.7
2180	8.0	92037.0	+0631.6	2269	9.1	100410.0	+0655.0	2359	9.5	104209.1	+0620.2	2445	9.5	111645.0	+0616.7
2181	8.8	92114.7	+0648.9	2270	8.5	100411.4	+0601.6	2360	9.5	104250.0	+0617.0	2446	9.5	111713.3	+0651.7
2182	7.7	92223.4	+0616.3	2271	9.5	100527.0	+0645.9	2361	9.5	104302.2	+0608.0	2447	9.4	111724.7	+0611.4
2183	9.3	92310.4	+0623.1	2272	8.8	100534.5	+0612.4	2362	9.5	104322.0	+0641.2	2448	8.1	111742.9	+0631.9
2184	8.7	92403.3	+0651.0	2273	9.5	100559.3	+0617.9	2363	8.0	104322.8	+0621.4	2449	9.5	111751.7	+0644.9
2185	8.8	92426.0	+0655.7	2274	9.5	100615.4	+0648.2	2364	8.8	104338.9	+0649.3	2450	9.2	111754.5	+0654.4
2186	9.5	92451.3	+0609.2	2275	9.5	100630.0	+0647.0	2365	9.5	104402.5	+0636.9	2451	8.7	111813.9	+0633.0
2187	8.8	92459.7	+0632.5	2276	8.2	100708.9	+0628.7	2366	8.8	104620.9	+0615.9	2452	9.5	112025.0	+0646.9
2188	9.5	92460.3	+0621.7	2277	9.3	100751.8	+0615.2	2367	9.5	104621.0	+0627.3	2453	9.5	112034.3	+0628.5
2189	8.8	92605.6	+0609.8	2278	9.4	100812.2	+0639.4	2368	8.0	104714.2	+0637.2	2454	9.2	112144.5	+0654.1
2190	9.5	92659.5	+0618.2	2279	9.0	100827.2	+0639.4	2369	6.5	104831.4	+0657.2	2455	9.4	112203.0	+0659.5
2191	9.5	92702.5	+0615.2	2280	9.4	100830.8	+0642.8	2370	7.8	104900.5	+0602.1	2456	9.5	112219.7	+0607.8
2192	9.5	92944.3	+0626.0	2281	9.0	100952.1	+0607.0	2371	9.0	104918.5	+0624.2	2457	9.4	112302.5	+0609.9
2193	8.8	92947.7	+0629.9	2282	9.5	100956.0	+0641.3	2372	9.5	104945.5	+0603.0	2458	9.5	112331.2	+0611.5
2194	9.3	93024.4	+0657.8	2283	8.7	101015.4	+0606.2	2372a	9.7	104948.7	+0613.9	2459	9.5	112448.5	+0612.5
2195	9.2	93038.3	+0617.1	2284	9.2	101022.0	+0618.3	2373	9.5	104949.0	+0648.8	2460	9.5	112519.3	+0622.5
2196	9.5	93059.6	+0608.7	2285	8.9	101024.8	+0608.0	2374	9.1	105006.9	+0658.6	2461	9.3	112521.2	+0604.7
2197	9.5	93132.2	+0601.7	2286	9.2	101025.3	+0635.7	2374a	9.7	105054.1	+0647.1	2462	9.5	112558.4	+0614.6
2197a	9.5	93143.6	+0651.4	2287	9.5	101057.4	+0624.9	2375	9.4	105056.2	+0635.5	2463	9.0	112602.7	+0639.7
2198	8.9	93257.8	+0618.4	2288	9.5	101110.2	+0605.2	2376	9.5	105106.0					

+06 2481 11h32m

+06 2839 14h00m

2481 9.5 113258.2 +0625.9	2571 9.5 120559.3 +0618.9	2660 6.7 123941.6 +0645.8	2750 7.0 132240.7 +0645.6
2482 9.5 113417.3 +0500.8	2572 9.5 120646.6 +0648.6	2661 9.4 124146.5 +0652.0	2751 9.0 132243.8 +0605.1
2483 9.4 113425.0 +0614.5	2573 9.3 120836.7 +0627.6	2662 9.5 124252.3 +0638.6	2752 9.5 132252.8 +0652.4
2484 9.2 113427.7 +0656.0	2574 9.3 120837.8 +0607.2	2663 9.0 124259.2 +0643.7	2753 9.0 132420.0 +0618.5
2485 8.7 113459.5 +0617.7	2575 9.3 120845.0 +0621.2	2664 30.0 124344.5 +0620.5	2754 9.5 132421.1 +0655.0
2486 9.5 113504.6 +0652.3	2576 9.2 120858.6 +0600.5	2665 9.5 124353.2 +0614.2	2755 9.3 132539.6 +0611.7
2487 9.5 113513.5 +0627.0	2577 9.0 120900.0 +0610.8	2666 9.0 124427.2 +0608.7	2756 7.0 132551.7 +0635.6
2488 9.5 113532.9 +0626.0	2578 9.4 120915.6 +0624.4	2667 9.5 124443.9 +0644.5	2757 9.5 132559.7 +0642.8
2489 9.5 113646.6 +0650.9	2579 9.5 120920.0 +0649.7	2668 9.3 124539.2 +0638.8	2758 9.5 132603.7 +0613.0
2490 8.9 113651.0 +0613.8	2580 9.5 120928.7 +0630.4	2669 9.5 124543.2 +0649.9	2759 8.7 132642.9 +0603.3
2491 9.5 113653.3 +0625.1	2581 9.5 120939.7 +0606.1	2670 9.3 124642.7 +0612.8	2760 9.5 132701.0 +0600.5
2492 9.4 113738.5 +0628.8	2582 9.5 121011.7 +0631.1	2671 8.7 124657.8 +0658.5	2761 8.5 132705.2 +0619.6
2493 9.5 113743.0 +0614.8	2583 9.5 121015.5 +0644.1	2672 8.8 124705.2 +0619.4	2762 9.5 132748.5 +0622.4
2494 8.5 113814.0 +0617.7	2584 9.0 121045.2 +0653.2	2673 8.0 124755.2 +0605.6	2763 9.0 132749.2 +0618.6
2495 8.7 113826.3 +0602.2	2585 9.5 121114.3 +0609.9	2674 9.3 124801.0 +0604.0	2764 9.5 132817.2 +0647.1
2496 9.5 113916.9 +0659.0	2586 9.5 121209.0 +0629.8	2675 9.4 124801.9 +0639.3	2765 9.2 132930.3 +0649.8
2497 9.2 113919.6 +0641.0	2587 8.5 121217.0 +0622.5	2676 9.0 124813.6 +0619.4	2766 9.5 133004.2 +0640.5
2498 8.5 113923.5 +0620.4	2588 7.8 121223.1 +0650.4	2677 9.5 124856.9 +0650.6	2767 9.2 133008.6 +0610.4
2499 9.3 113925.0 +0651.3	2589 7.8 121232.5 +0628.1	2678 9.4 124924.7 +0651.3	2768 9.5 133030.1 +0631.8
2500M 9.5 113931.5 +0643.7	2590 9.5 121232.6 +0620.3	2679 9.2 124951.2 +0634.4	2769 9.4 133047.1 +0639.2
2501 9.5 113940.5 +0644.1	2591 9.3 121240.0 +0642.5	2680 9.5 125026.9 +0626.0	2770 9.4 133125.1 +0626.3
2502 8.7 113945.3 +0611.0	2592 9.0 121244.3 +0633.3	2681 9.5 125102.6 +0652.6	2771 9.3 133125.4 +0602.8
2503 9.5 114002.5 +0630.6	2593 9.0 121249.4 +0659.9	2682 9.5 125152.6 +0642.7	2772 8.0 133141.4 +0618.5
2504 8.8 114011.0 +0641.3	2594 8.5 121348.5 +0616.7	2683 9.5 125202.3 +0636.8	2773 9.5 133154.6 +0605.3
2505 9.5 114013.0 +0612.1	2595 9.3 121407.0 +0654.5	2684 9.5 125207.2 +0609.6	2774 9.5 133231.4 +0643.5
2506 9.1 114021.4 +0657.7	2596 9.2 121428.0 +0618.4	2685 9.3 125215.4 +0648.8	2775 9.5 133237.8 +0609.5
2507 9.5 114030.5 +0626.2	2597 9.3 121432.5 +0650.9	2686 9.5 125230.9 +0643.7	2776 9.5 133240.1 +0615.4
2508 9.4 114034.0 +0635.0	2598 9.2 121453.7 +0627.4	2687 8.8 125250.0 +0647.4	2777 9.5 133241.4 +0637.6
2509 9.3 114105.5 +0652.6	2599 7.1 121510.7 +0606.3	2688 8.9 125255.0 +0628.1	2778 9.5 133241.9 +0608.1
2510 9.0 114122.5 +0634.0	2600 8.6 121516.3 +0643.7	2689 9.3 125312.0 +0609.7	2779 9.5 133549.3 +0641.2
2511 9.5 114154.9 +0636.8	2601 9.5 121529.2 +0616.2	2690 9.0 125531.4 +0644.1	2780 9.5 133611.8 +0642.5
2512 9.5 114210.6 +0639.2	2602 8.7 121529.8 +0643.4	2691 9.5 125600.8 +0616.8	2781 9.4 133621.7 +0621.0
2513 9.3 114253.5 +0613.5	2603 9.5 121545.7 +0656.3	2692 9.5 125606.6 +0650.0	2782 9.5 133625.6 +0610.4
2514 9.3 114256.3 +0618.0	2604 9.3 121551.7 +0642.0	2693 9.5 125618.3 +0601.2	2783 9.0 133629.4 +0655.4
2515 9.3 114320.0 +0646.3	2605 9.3 121552.8 +0611.2	2694 9.5 125649.3 +0631.2	2784 9.5 133636.5 +0612.0
2516 9.5 114430.8 +0649.6	2606 8.1 121647.8 +0646.8	2695 9.5 125821.2 +0637.5	2785 9.3 133647.7 +0637.7
2517 9.5 114438.5 +0645.3	2607 9.1 121705.7 +0614.9	2696 8.7 125939.0 +0643.8	2786 9.2 133701.4 +0648.4
2518 8.7 114442.5 +0626.1	2608 9.5 121715.9 +0616.2	2697 6.8 130129.9 +0600.6	2787 9.5 133803.9 +0602.8
2519 9.5 114456.3 +0640.5	2609 9.5 121747.6 +0641.0	2698 9.4 130138.9 +0650.6	2788 9.5 133807.0 +0658.6
2520 9.5 114605.9 +0649.4	2610 9.2 121759.2 +0642.7	2699 9.5 130214.8 +0626.0	2789 9.5 133900.4 +0629.6
2521 9.5 114632.0 +0635.8	2611 9.5 121819.3 +0627.2	2700 8.2 130218.4 +0645.5	2790 9.5 133925.1 +0631.8
2522 9.1 114657.7 +0612.1	2612 9.5 121825.1 +0630.5	2701 9.5 130300.5 +0645.9	2791 9.5 133926.7 +0622.7
2523 9.5 114723.5 +0639.9	2613 8.3 121915.8 +0606.5	2702 9.5 130327.1 +0619.7	2792 8.8 133942.4 +0644.6
2524 8.8 114724.0 +0635.7	2614 9.5 122005.0 +0606.7	2703 9.5 130353.8 +0650.7	2793 9.5 134008.3 +0601.2
2525 8.7 114803.0 +0638.9	2615 8.3 122016.8 +0657.3	2704 9.5 130423.4 +0624.8	2794 9.0 134038.1 +0601.2
2526 9.5 114834.1 +0626.5	2616 9.5 122101.6 +0600.2	2705 9.5 130429.0 +0659.6	2795 9.5 134200.0 +0608.6
2527 9.5 114901.7 +0611.7	2617 9.0 122136.8 +0627.3	2706 9.5 130433.3 +0604.0	2796 9.4 134208.3 +0601.7
2528 9.5 114903.3 +0619.0	2618 7.8 122139.3 +0646.1	2707 9.5 130456.4 +0654.2	2797 9.5 134247.7 +0657.8
2529 7.6 114921.7 +0609.2	2618M 9.3 122227.8 +0648.7	2708 9.5 130524.2 +0608.5	2798 9.5 134302.7 +0604.0
2530 9.5 114923.0 +0621.0	2619 9.2 122241.3 +0606.9	2709 9.5 130529.6 +0649.2	2799 9.5 134308.1 +0636.9
2531 8.9 114943.1 +0615.0	2620 8.0 122248.7 +0641.5	2710 9.2 130539.8 +0612.8	2800 6.4 134308.4 +0612.7
2532 9.3 114955.1 +0610.5	2621 8.8 122301.0 +0615.4	2711 9.5 130607.8 +0658.0	2801 9.3 134358.1 +0637.0
2533 9.5 115050.2 +0651.0	2622 9.5 122310.0 +0651.5	2712 9.5 130656.9 +0605.4	2802 8.4 134453.4 +0643.5
2534 9.1 115141.5 +0649.1	2623 9.0 122318.3 +0620.6	2713 9.5 130721.1 +0632.6	2803 9.2 134501.1 +0608.8
2535 9.5 115214.3 +0623.4	2624 8.0 122428.0 +0631.1	2714 9.3 130727.4 +0610.4	2804 9.0 134628.6 +0650.5
2536 8.5 115251.7 +0609.4	2625 9.5 122447.5 +0611.3	2715 9.4 130741.5 +0616.0	2805 9.5 134659.4 +0635.3
2537 9.5 115336.5 +0654.8	2626 9.1 122459.3 +0630.3	2716 9.4 130754.4 +0619.2	2806 8.5 134733.1 +0638.4
2538 9.5 115357.7 +0608.3	2627 9.5 122552.5 +0624.1	2717 9.5 130802.0 +0654.8	2807 9.3 134754.5 +0658.3
2539 9.3 115421.8 +0654.5	2628 9.1 122553.7 +0634.9	2718 9.5 130803.1 +0636.8	2808 9.5 134847.1 +0625.2
2540 9.5 115443.0 +0653.1	2629 9.5 122626.0 +0650.8	2719 9.4 130818.1 +0626.0	2809 9.5 134852.5 +0606.1
2541 9.5 115519.0 +0638.8	2630 8.5 122710.0 +0647.3	2720 9.0 130930.8 +0641.8	2810 9.5 134905.7 +0636.6
2542 9.0 115546.0 +0611.4	2631 9.5 122723.3 +0630.3	2721 9.0 130935.4 +0656.3	2811 9.2 134951.1 +0647.0
2543 7.2 115621.0 +0621.9	2632 9.5 122746.3 +0632.8	2722 5.2 131017.1 +0614.1	2812 9.4 134959.0 +0658.1
2544 9.5 115751.0 +0621.8	2633 9.5 122835.5 +0621.3	2723 9.5 131018.3 +0629.1	2813 9.0 135000.1 +0643.2
2545 9.5 115812.0 +0602.9	2634 9.5 122903.8 +0620.5	2724 9.0 131029.8 +0621.5	2814 9.1 135030.5 +0652.3
2546 9.5 115812.8 +0610.1	2635 9.5 122946.0 +0636.2	2725 8.7 131056.4 +0614.9	2815 8.8 135108.1 +0618.9
2547 9.5 115819.2 +0653.4	2636 9.5 123043.7 +0626.9	2726 9.5 131119.2 +0605.8	2816 9.5 135127.5 +0611.1
2548 8.0 115825.3 +0609.6	2637 9.4 123222.3 +0654.9	2727 8.2 131217.1 +0613.8	2817 8.5 135211.1 +0623.0
2549 8.8 115919.9 +0606.6	2638 9.4 123229.0 +0639.2	2728 9.4 131233.4 +0656.9	2818 9.3 135211.7 +0635.5
2550 9.3 115926.6 +0658.3	2639 9.0 123230.0 +0615.8	2729 9.5 131305.4 +0620.1	2819 8.6 135359.7 +0640.8
2551 8.8 115928.0 +0636.5	2640 9.3 123247.5 +0657.8	2730 9.2 131308.2 +0607.6	2820 9.0 135412.4 +0637.0
2552 9.5 115936.5 +0623.2	2641 9.5 123321.0 +0622.4	2731 9.0 131323.4 +0633.7	2821 9.2 135417.4 +0613.6
2553 9.2 120022.5 +0649.4	2642 9.4 123322.7 +0659.5	2732 9.5 131407.4 +0658.0	2822 8.9 135441.1 +0642.2
2554 9.5 120023.5 +0609.5	2643 9.5 123419.0 +0623.4	2733 9.0 131429.3 +0635.9	2823 9.5 135503.1 +0623.3
2555 8.4 120038.8 +0650.6	2644 8.7 123427.3 +0639.1	2734 9.5 131430.1 +0612.2	2824 9.0 135606.1 +0639.4
2556 9.5 120114.8 +0605.2	2645 9.1 123436.2 +0612.5	2735 9.1 131448.1 +0655.9	2825 9.5 135656.3 +0610.0
2557 9.5 120151.3 +0616.8	2646 9.2 123525.2 +0627.1	2736 9.4 131628.2 +0652.5	2826 9.5 135705.7 +0631.5
2558 9.2 120239.3 +0631.5	2647 8.5 123533.8 +0606.4	2737 9.0 131720.2 +0624.8	2827 8.5 135733.0 +0607.0
2559 6.5 120241.5 +0636.2	2648 9.5 123550.9 +0631.2	2738 9.5 131721.7 +0643.5	2828 9.1 135737.3 +0658.8
2560 9.0 120307.0 +0628.8	2649 9.5 123612.6 +0639.6	2739 9.5 131733.5 +0653.2	2829 9.5 135743.3 +0605.4
2561 9.5 120350.0 +0643.7	2650 9.5 123640.6 +0601.4	2740 8.0 131908.2 +0628.9	2830 8.7 135746.5 +0602.6
2562 9.5 120421.5 +0644.8	2651 9.5 123740.3 +0609.0	2741 9.5 131917.7 +0642.8	2831 9.5 135747.7 +0636.5
2563 8.8 120433.2 +0607.4	2652 9.2 123759.6 +0655.0	2742 9.3 131929.9 +0635.8	2832 9.5 135755.4 +0648.9
2564 8.0 120454.0 +0640.4	2653 9.5 123833.6 +0649.0	2743 9.5 131931.8 +0647.0	2833 9.1 135811.7 +0638.3
2565 9.5 120457.0 +0627.0	2654 9.0 123854.9 +0620.5	2744 9.5 131941.2 +0605.3	2834 9.3 135819.0 +0652.5
2566 8.3 120458.5 +0653.2	2655 9.4 123905.9 +0657.0	2745 9.5 131952.5 +0601.4	2835 9.5 135836.4 +0615.0
2567 9.5 120518.0 +0655.9	2656 9.5 123917.0 +0601.1	2746 9.5 132040.3 +0657.8	2836 9.5 135940.1 +0651.5
2568 9.5 120540.5 +0643.8	2657 9.5 123917.2 +0625.0	2747 9.5 132106.3 +0658.3	2837 9.5 140010.4 +0658.7
2569 9.5 120541.0 +0629.1	2658 9.5 123923.4 +0608.3	2748 9.5 132106.7 +0649.2	2838 9.2 140025.5 +0657.1
2570 9.5 120541.5 +0618.4	2659 9.2 123930.6 +0634.7	2749 9.4 132144.7 +0643.8	2839 8.8 140026.1 +0615.4

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2840 8.8 140123.7 +0643.6
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3227	9.2	161924.1	+0656.8	3317	8.5	164922.7	+0630.9	3406	9.2	171644.4	+0649.3	3496	9.3	173423.2	+0602.3
3228	9.3	161924.7	+0627.1	3318	7.5	164946.5	+0644.0	3407	9.5	171705.2	+0606.7	3497	9.3	173424.0	+0607.3
3229	9.4	161942.7	+0635.0	3319	9.5	164949.3	+0605.4	3408	7.5	171723.0	+0629.6	3498	6.5	173427.7	+0623.5
3230	9.3	162010.2	+0633.8	3320	9.2	165009.1	+0649.3	3409	9.5	171728.8	+0653.6	3499	9.5	173451.6	+0649.7
3231	9.1	162015.7	+0636.1	3321	9.2	165014.8	+0615.0	3410	9.5	171800.7	+0508.3	3500	9.5	173506.4	+0641.2
3232	9.4	162028.1	+0605.0	3322	7.0	165015.5	+0626.7	3411	8.2	171811.9	+0633.6	3501	9.0	173512.8	+0649.1
3233	9.5	162132.0	+0657.3	3323	9.5	165049.7	+0659.3	3412	9.0	171812.7	+0613.4	3502	8.9	173513.4	+0627.1
3234	9.5	162142.0	+0657.3	3324	9.2	165057.7	+0601.4	3413	9.3	171828.9	+0647.7	3503	9.0	173517.1	+0601.7
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4636	9.5	203818.6	+0632.8	4726	9.0	205420.7	+0631.8	4816	9.1	211659.8	+0645.8	4906	8.3	214100.9	+0622.0
4637	9.4	203828.2	+0618.1	4727	8.6	205421.0	+0636.3	4817	9.4	211713.9	+0623.0	4907	9.1	214107.8	+0607.8
4638	9.0	203833.7	+0637.8	4728	8.0	205441.9	+0658.0	4818	9.4	211729.2	+0654.5	4908	9.3	214123.1	+0647.0
4639	7.2	203850.2	+0651.7	4729	9.5	205452.1	+0655.2	4819	9.5	211810.5	+0614.4	4909	8.8	214215.9	+0639.6
4640	9.5	203902.7	+0616.4	4730	9.5	205456.6	+0619.3	4820	9.2	211817.3	+0629.5	4910	9.2	214331.5	+0605.5
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4676	8.8	204516.9	+0611.5	4766	9.5	210258.0	+0647.0	4856	9.5	212750.5	+0637.9	4946	8.8	215452.4	+0658.1
4677	8.8	204551.6	+0614.0	4767	9.5	210337.7	+0649.2	4857	9.3	212826.2	+0620.2	4947	9.5	215538.5	+0623.0
4678	9.0	204552.5	+0604.0	4768	9.5	210417.0	+0611.4	4858	9.5	212835.9	+0602.0	4948	9.3	215542.5	+0651.9
4679	8.4	204557.8	+0610.4	4769	9.5	210431.4	+0608.9	4859	9.4	212838.0	+0649.4	4949	8.0	215551.9	+0655.9
4680	9.1	204621.9	+0605.7	4770	9.5	210435.0	+0634.2	4860	9.2	212844.0	+0652.0	4950	9.5	215604.6	+0636.1
4681	9.4	204621.0	+0632.7	4771	9.5	210444.1	+0623.4	4861	9.5	212856.5	+0607.8	4951	9.4	215616.0	+0622.6
4682	9.2	204621.2	+0608.1	4772	9.5	210444.4	+0653.0	4862	9.5	212913.9	+0646.2	4952	9.5	215620.5	+0639.3
4683	9.5	204644.7	+0657.1	4773	9.5	210513.2	+0651.0	4863	8.8	212926.2	+0615.1	4953	9.1	215635.2	+0627.7
4684	9.5	204648.7	+0605.6	4774	9.5	210543.2	+0608.7	4864	9.5	212946.5	+0644.4	4954	9.5	215714.5	+0608.5
4685	9.3	204652.4	+0641.0	4775	9.0	210547.1	+0638.9	4865	9.5	213010.5	+0617.1	4955	9.3	215731.5	+0654.8
4686	9.3	204701.4	+0604.2	4776	7.5	210617.7	+0637.5	4866	9.0	213016.2	+0653.9	4956	9.4	215741.5	+0609.9
4687	9.3	204704.1	+0646.5	4777	7.6	210621.1	+0633.7	4867	8.8	213023.6	+0604.0	4957	8.5	215832.5	+0618.2
4688	9.0	204705.2	+0651.5	4778	9.5	210706.8	+0628.2	4868	9.0	213046.0	+0601.4	4958	9.5	215846.2	+0603.4
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+05 112 Oh43m

+05 470 3h10m

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831	9.5	50348.9	+0546.2	921	9.2	51904.0	+0510.6	1011	8.7	53822.9	+0530.6	1101	8.8	60001.7	+0535.2
832	9.5	50350.0	+0558.9	922	9.5	51924.6	+0517.0	1012	9.5	53845.3	+0510.6	1102	9.2	60005.9	+0536.7
833	8.8	50404.0	+0548.9	923	9.5	51932.5	+0517.8	1013	9.5	53908.7	+0513.4	1103	9.5	60027.5	+0523.6
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835	9.5	50418.5	+0516.7	925	9.5	51945.1	+0507.8	1015	9.0	53955.3	+0538.2	1105	8.5	60041.2	+0500.5
836	9.5	50429.0	+0556.1	926	8.7	51946.1	+0528.1	1016	8.5	53956.2	+0549.6	1106	8.5	60046.3	+0548.5
837	9.3	50430.6	+0528.2	927	9.2	52014.7	+0554.4	1017	9.5	54013.5	+0528.3	1107	9.5	60052.9	+0525.1
838	9.3	50435.3	+0541.7	928	9.5	52023.0	+0552.5	1018	9.5	54024.9	+0534.7	1108	9.5	60058.9	+0518.2
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840	9.4	50441.2	+0532.0	930	9.3	52055.9	+0518.8	1020	9.0	54051.0	+0544.1	1110	9.5	60121.1	+0532.7
841	9.5	50447.5	+0523.0	931	9.3	52058.6	+0516.5	1021	9.3	54059.4	+0547.4	1111	9.2	60121.7	+0504.9
842	9.0	50504.5	+0505.5	932	8.5	52104.0	+0552.8	1022	9.5	54114.6	+0555.9	1112	9.1	60125.7	+0550.5
843	9.5	50512.3	+0555.0	933	9.0	52119.0	+0542.8	1023	9.2	54121.2	+0512.8	1113	9.4	60133.9	+0518.3
844	9.5	50526.5	+0503.3	934	8.4	52154.2	+0506.1	1024	9.5	54134.3	+0533.7	1114	9.5	60137.0	+0507.6
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846	9.4	50544.8	+0513.1	936	9.5	52209.4	+0547.7	1026	9.0	54217.0	+0553.9	1116	8.5	60148.3	+0540.9
847	8.5	50546.9	+0535.6	937	9.5	52212.7	+0544.8	1027	9.1	54224.3	+0545.5	1117	8.5	60150.6	+0541.0
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849	8.7	50555.1	+0508.4	939	5.5	52302.0	+0550.0	1029	9.3	54237.9	+0524.3	1119	9.1	60204.7	+0519.2
850	9.5	50614.5	+0533.1	940	9.5	52308.4	+0534.5	1030	9.4	54254.1	+0512.4	1120	8.4	60212.1	+0544.0
851	9.5	50618.3	+0502.5	941	9.4	52314.7	+0547.8	1031	9.4	54257.5	+0515.9	1121	9.5	60221.6	+0537.1
852	9.0	50620.1	+0545.5	942	9.4	52319.0	+0500.5	1032	9.5	54305.3	+0529.2	1122	9.5	60254.9	+0528.9
853	9.3	50629.2	+0524.6	943	9.5	52321.3	+0502.8	1033	9.1	54335.2	+0503.2	1123	9.5	60256.2	+0547.5
854	9.5	50638.9	+0548.8	944	9.2	52330.9	+0532.7	1034	8.7	54441.6	+0516.2	1124	9.5	60259.2	+0525.5
855	9.5	50721.0	+0502.4	945	9.4	52332.9	+0522.9	1035	8.6	54453.7	+0507.3	1125	8.9	60328.8	+0504.6
856	9.0	50724.1	+0511.5	946	9.5	52354.5	+0554.7	1036	8.6	54454.6	+0549.5	1126	9.5	60355.5	+0553.5
857	9.3	50727.7	+0541.6	947	9.5	52355.6	+0557.2	1037	9.1	54504.1	+0515.5	1127	9.2	60402.8	+0528.0
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860	9.5	50750.4	+0540.3	950	9.5	52419.0	+0554.2	1040	8.5	54551.1	+0505.7	1130	9.2	60432.9	+0527.3
861	9.4	50751.4	+0502.6	951	9.0	52421.2	+0556.0	1041	9.5	54620.6	+0506.5	1131	9.4	60450.6	+0530.1
862	9.5	50752.5	+0506.8	952	9.5	52423.9	+0526.9	1042	8.5	54637.9	+0556.8	1132	9.5	60453.4	+0547.7
863	9.5	50757.9	+0553.5	953	9.5	52505.4	+0530.3	1043	8.2	54652.2	+0519.3	1133	9.5	60502.0	+0529.1
864	9.5	50759.9	+0557.7	954	8.4	52525.9	+0509.9	1044	7.1	54710.3	+0549.8	1134	9.5	60503.0	+0556.1
865	9.3	50805.7	+0528.0	955	9.0	52532.3	+0542.9	1045	9.4	54710.8	+0535.6	1135	9.5	60510.9	+0542.1
866	9.5	50807.4	+0545.6	956	9.3	52614.9	+0523.0	1046	8.0	54713.4	+0519.0	1136	9.5	60512.7	+0558.1
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868	8.9	50834.6	+0508.3	958	7.3	52659.3	+0533.5	1048	9.3	54751.0	+0534.4	1138	9.0	60535.7	+0531.9
869	9.5	50902.9	+0550.0	959	9.0	52703.1	+0522.0	1049	9.5	54801.7	+0558.9	1139	9.5	60544.9	+0535.4
870	9.0	50914.0	+0547.7	960	9.2	52705.0	+0525.3	1050	9.5	54808.2	+0530.2	1140	9.4	60547.0	+0502.5
871	9.3	50923.1	+0511.2	961	9.5	52706.0	+0538.4	1051	9.5	54830.3	+0523.0	1141	9.5	60548.8	+0527.4
872	9.4	50932.1	+0547.4	962	8.7	52725.7	+0521.7	1052	9.2	54933.3	+0556.8	1142	9.5	60608.2	+0522.3
873	9.0	50933.8	+0557.7	963	9.3	52729.6	+0544.5	1053	9.4	54943.5	+0548.0	1143	9.2	60621.9	+0532.7
874	9.1	50935.1	+0551.5	964	8.9	52744.4	+0543.3	1054	9.5	55021.8	+0531.2	1144	9.0	60626.4	+0500.9
875	7.8	50969.2	+0519.2	965	9.3	52748.4	+0525.6	1055	8.3	55031.6	+0548.4	1145	9.5	60631.5	+0553.4
876	9.5	51031.3	+0543.9	966	9.2	52755.8	+0545.5	1056	8.3	55033.7	+0529.1	1146	8.8	60640.8	+0512.8
877	8.4	51032.0	+0509.4	967	9.4	52805.7	+0543.2	1057	8.3	55047.3	+0546.8	1147	9.3	60643.5	+0536.6
878	9.5	51039.3	+0523.9	968	9.0	52847.9	+0526.0	1058	9.2	55102.8	+0539.3	1148	9.5	60659.3	+0531.5
879	9.5	51058.0	+0509.2	969	9.5	52923.0	+0518.3	1059	9.5	55121.5	+0557.4	1149	8.6	60710.0	+0549.0
880	9.0	51059.5	+0556.1	970	9.5	52930.1	+0536.1	1060	9.5	55126.0	+0531.1	1150	9.2	60725.8	+0549.9
881	9.4	51108.4	+0551.3	971	9.3	52932.2	+0524.6	1061	9.2	55201.3	+0500.6	1151	9.5	60726.5	+0510.4
882	8.8	51111.5	+0552.8	972	9.3	53023.3	+0552.1	1062	9.5	55222.2	+0542.2	1152	9.5	60731.4	+0519.4
883	9.3	51143.8	+0519.7	973	7.5	53026.6	+0555.0	1063	9.5	55225.4	+0534.7	1153	9.3	60733.0	+0554.6
884	8.6	51151.5	+0501.3	974	9.5	53050.7	+0509.5	1064	9.0	55229.5	+0508.3	1154	9.5	60743.6	+0505.1
885	8.9	51156.9	+0529.7	975	9.5	53053.0	+0533.6	1065	9.5	55239.2	+0550.7	1155	9.5	60750.6	+0510.1
886	9.4	51159.5	+0553.3	976	9.2	53110.6	+0551.9	1066	8.3	55258.6	+0547.7	1156	7.5	60831.4	+0509.3
887	9.5	51212.9	+0520.4	977	9.1	53112.4	+0523.3	1067	9.5	55315.6	+0558.6	1157	9.5	60832.0	+0531.5
888	9.5	51216.3	+0518.6	978	9.5	53113.0	+0556.9	1068	9.5	55332.9	+0534.9	1158	9.4	60842.0	+0530.7
889	9.3	51218.2	+0537.4	979	9.5	53113.2	+0513.4	1069	9.5	55350.8	+0510.4	1159	9.3	60841.7	+0543.4
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891	8.5	51247.1	+0530.7	981	9.0	53142.5	+0513.6	1071	9.3	55401.1	+0551.9	1161	9.3	60902.2	+0545.6
892	9.3	51256.4	+0501.1	982	8.4	53153.5	+0543.6	1072	9.1	55410.8	+0520.7	1162	9.5	60903.6	+0557.7
893	9.3	51312.3	+0542.6	983	9.2	53200.7	+0515.5	1073	8.7	55417.9	+0504.9	1163	9.3	60909.8	+0515.9
894	9.3	51320.9	+0526.4	984	9.3	53211.8	+0507.7	1074	9.1	55521.9	+0543.1	1164	8.7	60911.0	+0558.6
895	9.0	51351.3	+0528.8	985	8.5	53214.1	+0559.1	1075	9.4	55522.0	+0546.7	1165	9.2	60923.7	+0507.8
896	9.2	51354.5	+0507.8	986	8.2	53225.6	+0534.9	1076	9.5	55551.8	+0546.7	1166	9.3	60929.0	+0518.6
897	8.5	51359.3	+0543.5	987	9.5	53302.6	+0535.0	1077	9.5	55603.4	+0514.9	1167	9.0	60931.1	+0546.1
898	9.4	51412.0	+0531.3	988	9.5	53330.1	+0537.7	1078	9.5	55604.2	+0519.1	1168	6.5	60936.1	+0508.6
899	7.5	51427.7	+0515.1	989	9.0	53333.5	+0559.1	1079	9.0	55606.1	+0558.2	1169	9.5	60936.6	+0533.5
900	8.9	51438.9	+0501.4	990	9.2	53348.9	+0533.2	1080	9.5	55611.8	+0536.1	1170	9.3	60946.1	+0544.5
901	9.2	51502.5	+0540.5	991	9.2	53403.0	+0545.6	1081	9.0	55613.8	+0513.1	1171	8.6	60954.3	+0552.1
902	9.5	51538.0	+0532.3	992	9.2	53409.9	+0505.3	1082	9.5	55626.5	+0530.7	1172	9.5	60958.5	+0534.5
903	9.5	51543.1	+0533.3	993	9.2	53432.1	+0546.7	1083	9.5	55637.6	+0536.3	1173	9.3	61003.0	+0553.1
904	8.3	51548.8	+0541.2	994	9.3	53446.0	+0546.8	1084	9.5	55703.3	+0534.3	1174	9.0	61003.6	+0556.9
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3704 6.9 181421.9 +0522.5
3705 9.4 181436.1 +0516.6

+05 3706 18h14m

+05 4065 19h05m

3706 9.4 181436.5 +0520.2	3796 9.4 182718.8 +0502.4	3886 9.5 183218.3 +0513.2	3976 8.8 184636.6 +0535.8
3707 9.5 181437.1 +0552.9	3797 8.7 182739.0 +0521.5	3887 9.0 183219.5 +0559.5	3977 9.5 184649.5 +0557.4
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3739 9.5 181943.9 +0505.5	3828 9.5 182954.2 +0554.5	3919 9.3 183439.6 +0546.4	4009 9.3 185347.0 +0527.7
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3741 9.5 181951.4 +0502.4	3830 9.1 183007.3 +0541.1	3921 9.5 183502.0 +0534.5	4011 9.5 185352.2 +0507.1
3742 9.3 181955.2 +0548.7	3831 7.5 183008.1 +0527.7	3922 9.4 183505.5 +0528.9	4012 9.4 185359.7 +0501.4
3743 9.4 181958.5 +0552.5	3832 9.5 183014.4 +0546.5	3923 9.5 183511.2 +0520.5	4013 8.6 185426.8 +0501.4
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3746 9.5 182009.8 +0550.1	3835 9.3 183021.8 +0505.1	3926 7.7 183539.6 +0532.8	4016 7.6 185545.7 +0508.3
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3754 9.5 182105.0 +0523.6	3843 9.0 183032.2 +0524.8	3934 8.2 183638.4 +0535.2	4024 9.0 185756.5 +0520.3
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3757 9.1 182114.1 +0508.1	3846 6.8 183042.4 +0545.8	3937 9.5 183724.9 +0554.7	4027 9.5 185853.1 +0527.7
3758 9.5 182133.0 +0556.7	3847 9.4 183042.9 +0522.9	3938 9.5 183733.0 +0514.4	4028 9.2 185858.2 +0504.0
3759 9.4 182145.9 +0508.5	3848 9.4 183051.8 +0507.3	3939 9.5 183738.8 +0548.0	4029 9.5 185919.0 +0557.6
3760 9.5 182209.8 +0533.8	3849 9.4 183052.3 +0528.0	3940 9.4 183756.3 +0520.8	4030 9.4 185923.4 +0527.6
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3779 9.3 182535.3 +0529.6	3868 9.4 183137.0 +0506.8	3959 9.3 184309.6 +0554.1	4049 8.2 190238.2 +0526.9
3780 9.5 182545.0 +0519.3	3869 9.5 183138.9 +0520.0	3960 9.5 184317.6 +0518.5	4050 9.5 190241.7 +0535.6
3781 9.5 182546.2 +0520.9	3870 9.5 183139.0 +0512.9	3961 9.5 184335.8 +0530.8	4051 9.5 190342.9 +0532.2
3782 9.2 182547.0 +0532.8	3871 9.4 183142.3 +0525.8	3962 9.2 184338.3 +0525.9	4052 8.9 190346.1 +0550.8
3783 9.5 182557.1 +0532.7	3872 9.4 183142.3 +0525.8	3963 9.5 184341.5 +0519.8	4053 9.0 190346.1 +0501.1
3784 8.1 182610.4 +0520.7	3873 9.3 183145.7 +0527.6	3964 9.5 184345.8 +0530.6	4054 9.1 190351.2 +0508.7
3785 9.5 182625.0 +0557.0	3874 9.4 183146.2 +0532.3	3965 9.5 184347.8 +0516.8	4055 9.5 190355.8 +0548.6
3786 8.2 182629.8 +0530.2	3875 9.5 183150.5 +0522.4	3966 9.5 184407.1 +0546.9	4056 7.4 190357.1 +0502.4
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3789 9.5 182642.8 +0507.6	3878 9.1 183155.7 +0520.2	3969 9.3 184504.8 +0540.5	4059 9.5 190432.9 +0503.6
3790 8.5 182650.9 +0532.8	3879 9.1 183157.4 +0527.9	3970 9.3 184514.9 +0547.8	4060 8.2 190441.5 +0508.3
3791 9.5 182651.0 +0556.5	3880 9.5 183157.5 +0503.3	3971 9.4 184532.7 +0540.8	4061 9.4 190442.9 +0516.5
3792 9.5 182653.6 +0509.9	3881 9.5 183205.3 +0536.2	3972 9.5 184547.9 +0548.9	4062 9.4 190452.1 +0552.5
3793 9.5 182657.8 +0522.6	3882 9.3 183209.7 +0506.4	3973 8.6 184618.2 +0547.7	4063 9.5 190456.7 +0559.8
3794 9.5 182658.0 +0508.7	3883 9.3 183213.0 +0522.5	3974 9.5 184625.1 +0555.0	4064 9.5 190507.0 +0506.2
3795 9.5 182712.0 +0530.0	3884 9.4 183213.5 +0532.0	3975 8.8 184633.0 +0517.3	4065 9.5 190508.5 +0542.7
	3885 9.3 183214.8 +0523.0		

*05 4066 19h05m

*05 4421 20h01m

4066 9.5 190511.1 +0533.7	4156 9.5 192121.1 +0526.5	4244 9.5 193448.4 +0503.5	4333 8.4 194706.0 +0553.0
4067 9.2 190525.7 +0555.2	4157 9.2 192131.2 +0515.7	4245 9.1 193455.9 +0523.4	4334 8.3 194738.4 +0519.7
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4078 9.4 190608.2 +0512.9	4168 9.0 192336.6 +0537.2	4256 9.5 193533.0 +0544.7	4345 9.5 194842.0 +0519.6
4079 9.3 190623.7 +0532.4	4169 9.5 192358.8 +0503.7	4257 9.2 193536.2 +0510.4	4346 9.3 194859.7 +0507.4
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4083 9.4 190657.6 +0501.5	4173 9.5 192413.0 +0535.1	4261 9.3 193556.0 +0558.5	4350 9.3 194937.9 +0511.7
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4086 9.4 190737.8 +0558.6	4176 9.4 192429.1 +0539.6	4263 9.3 193607.7 +0549.1	4353 9.4 194950.4 +0505.8
4087 7.0 190737.9 +0548.2	4177 7.0 192434.2 +0527.9	4264 9.2 193638.3 +0506.6	4354 9.4 195005.5 +0554.5
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1350	9.1	62935.3	+0406.8	1440	8.5	63903.1	+0430.7	1530	9.5	65139.6	+0437.3	1620	9.5	70456.8	+0407.2
1351	9.5	62939.4	+0442.6	1441	9.5	63906.5	+0459.6	1531	9.4	65142.9	+0409.5	1621	9.3	70459.2	+0404.7
1352	9.5	62942.3	+0440.2	1442	9.5	63927.6	+0407.3	1532	9.2	65143.2	+0420.7	1622	9.5	70505.1	+0419.5
1353	9.4	62948.4	+0409.1	1443	9.5	63958.0	+0445.6	1533	9.1	65146.1	+0428.2	1623	9.0	70527.4	+0434.8
1354	9.5	63013.1	+0444.0	1444	9.4	63959.1	+0452.1	1534	9.5	65155.9	+0415.2	1624	9.0	70538.9	+0405.2
1355	8.5	63017.0	+0423.1	1445	9.5	64002.7	+0419.7	1535	9.5	65202.5	+0447.0	1625	9.3	70540.8	+0412.9
1356	9.2	63021.5	+0412.1	1446	8.2	64006.9	+0436.3	1536	8.1	65218.7	+0416.6	1626	9.2	70558.2	+0422.2
1357	8.8	63023.8	+0421.8	1447	9.3	64011.9	+0449.4	1537	9.0	65224.8	+0424.0	1627	8.1	70623.0	+0449.4
1358	9.5	63036.5	+0405.7	1448	9.5	64022.0	+0413.9	1538	9.5	65236.0	+0433.2	1628	9.5	70626.1	+0434.6
1359	9.5	63037.4	+0426.9	1449	9.5	64032.0	+0407.2	1539	9.4	65236.1	+0400.4	1629	9.5	70628.7	+0452.8
1360	8.5	63041.7	+0444.8	1450	9.5	64037.6	+0418.1	1540	9.5	65236.7	+0440.3	1630	9.2	70629.3	+0411.5
1361	8.2	63048.5	+0443.9	1451	9.4	64040.1	+0402.2	1541	9.4	65244.8	+0457.7	1631	8.7	70634.5	+0427.4
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1363	8.8	63055.3	+0445.7	1453	9.0	64100.2	+0441.5	1543	9.3	65250.0	+0455.0	1633	9.0	70649.4	+0428.4
1364	9.4	63056.6	+0423.8	1454	9.5	64100.3	+0422.4	1544	9.1	65250.7	+0417.4	1634	8.6	70705.2	+0405.1
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1371	9.5	63143.6	+0432.9	1461	9.3	64136.2	+0427.2	1551	9.0	65342.8	+0450.6	1641	9.5	70814.5	+0423.5
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1381	8.8	63259.9	+0437.3	1471	8.8	64240.0	+0413.3	1561	9.5	65537.2	+0426.3	1651	9.5	70958.1	+0425.9
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2033	9.5	83722.6	+0430.1	2123	9.5	90023.9	+0426.4	2213	8.0	92751.4	+0433.3	2300	9.5	100706.4	+0433.8
2034	8.7	83735.1	+0444.4	2124	9.3	90055.3	+0400.8	2214	9.4	92813.1	+0452.9	2301	9.5	100708.5	+0429.9
2035	9.5	83828.6	+0415.5	2125	9.4	90100.3	+0407.9	2215	9.5	92813.1	+0457.4	2302	9.5	100711.2	+0411.0
2036	9.4	83837.9	+0456.4	2126	8.5	90118.6	+0431.6	2216	9.5	92821.1	+0429.6	2303	9.2	100717.0	+0439.1
2037	8.7	83847.5	+0455.3	2127	9.5	90155.9	+0405.2	2217	9.5	92845.1	+0432.4	2304	9.5	100723.0	+0435.8
2038	9.2	83848.7	+0404.1	2128	9.5	90210.8	+0406.6	2218	9.3	92810.4	+0456.4	2305	9.1	100817.3	+0451.8
2039	8.5	83853.1	+0450.4	2129	9.4	90225.7	+0457.3	2219	9.0	92859.9	+0413.0	2306	8.3	100840.4	+0416.1
2040	8.0	83933.0	+0453.1	2130	9.5	90235.9	+0421.1	2220	8.3	93000.4	+0408.4	2307	9.5	101010.5	+0429.7
2041	9.0	83934.2	+0420.1	2131	9.5	90250.8	+0408.7	2221	9.5	93016.3	+0433.5	2308	8.8	101012.8	+0411.3
2042	9.5	83938.2	+0406.3	2132	9.2	90306.2	+0437.1	2222	9.3	93048.7	+0415.0	2308a	9.5	101043.3	+0422.5
2043	9.0	84031.7	+0452.1	2133	9.5	90336.3	+0403.1	2223	9.5	93138.0	+0407.0	2309	9.5	101109.6	+0458.2
2044	9.0	84038.6	+0428.7	2134	9.5	90349.0	+0456.5	2224	9.3	93159.4	+0436.6	2310	9.4	101154.6	+0440.0
2045	9.0	84039.6	+0421.4	2135	9.3	90356.4	+0416.3	2225	9.1	93200.3	+0408.5	2311	9.5	101155.5	+0419.7
2046	9.0	84040.1	+0406.3	2136	8.3	90401.9	+0423.2	2226	9.3	93201.1	+0420.4	2312	9.3	101213.8	+0402.6
2047	9.2	84046.5	+0427.5	2137	9.0	90407.6	+0410.1	2227	8.4	93208.0	+0456.1	2313	8.5	101259.5	+0420.7
2048	8.0	84118.6	+0417.3	2138	9.0	90430.4	+0413.5	2228	9.3	93311.6	+0422.5	2314	9.3	101303.3	+0450.3
2049	9.5	84123.8	+0456.6	2139	7.2	90438.4	+0428.5	2229	8.6	93326.9	+0426.6	2315	9.0	101319.5	+0434.4
2050	8.0	84139.6	+0401.6	2140	9.0	90441.7	+0444.1	2230	9.5	93337.0	+0408.0	2316	8.8	101324.8	+0461.7
2051	8.3	84147.5	+0412.7	2141	9.1	90508.1	+0403.6	2231	9.5	93555.0	+0410.0	2317	9.4	101334.1	+0459.1
2052	9.5	84217.8	+0455.9	2142	9.5	90529.2	+0400.7	2232	9.5	93556.2	+0458.6	2318	9.3	101359.0	+0461.7
2053	9.0	84242.6	+0437.8	2143	9.5	90529.9	+0445.5	2233	9.3	93611.7	+0409.0	2319	9.5	101446.0	+0401.0
2054	9.0	84254.4	+0404.6	2144	7.7	90551.4	+0425.6	2234	8.7	93640.4	+0405.9	2320	9.5	101454.7	+0451.4
2055	9.5	84301.8	+0458.0	2145	9.3	90623.6	+0416.4	2235	9.2	93656.0	+0419.0	2321	9.2	101527.4	+0407.0
2056	9.0	84304.4	+0433.9	2146	9.5	90636.0	+0414.8	2236	7.5	93705.2	+0400.6	2322	8.5	101538.9	+0423.3
2057	9.4	84344.5	+0400.3	2147	9.5	90636.3	+0418.9	2237	9.3	93715.8	+0456.9	2323	9.5	101627.5	+0434.7
2058	9.2	84357.4	+0408.3	2148	9.5	90651.0	+0418.0	2238	8.4	93723.3	+0402.0	2324	9.4	101702.3	+0416.2
2059	9.0	84411.6	+0450.0	2149	9.1	90713.9	+0434.0	2239	9.5	93749.7	+0448.9	2325	9.3	101739.2	+0405.1
2060	9.5	84438.6	+0415.8	2150	8.1	90715.4	+0448.0	2240	8.2	93812.1	+0412.7	2326	9.3	101741.8	+0413.1
2061*	9.3	84439.5	+0405.1	2151	9.3	90726.6	+0411.6	2241	9.0	93826.0	+0417.9	2327	9.3	101824.9	+0431.0
2062	9.0	84506.6	+0411.7	2152	9.5	90802.8	+0405.3	2242	8.5	93833.0	+0406.5	2328	7.0	101837.0	+0440.2
2063	8.9	84507.1	+0422.8	2153	9.3	90807.2	+0412.1	2243	9.0	93834.1	+0438.7	2329	9.5	101919.0	+0441.7
2064	8.5	84546.4	+0427.0	2154	9.5	90823.9	+0411.8	2244	9.3	93852.6	+0457.5	2330	9.0	101949.2	+0447.2
2065	9.3	84609.6	+0439.8	2155	8.8	90832.9	+0426.3	2245	8.3	93855.0	+0405.2	2331	8.2	101951.2	+0435.5
2066	8.7	84611.4	+0428.3	2156	9.1	90908.9	+0455.2	2246	9.3	93937.3	+0453.4	2332	9.0	101952.5	+0426.8
2067	9.4	84619.0	+0414.7	2157	9.5	90926.8	+0413.9	2247	9.0	94016.6	+0452.9	2333	7.5	101959.8	+0417.6
2068	9.5	84622.8	+0427.7	2158	9.5	90929.6	+0425.0	2248	9.1	94022.2	+0445.2	2334	9.3	102010.2	+0437.9
2069	9.3	84624.9	+0411.0	2159	9.5	91012.9	+0429.9	2249	9.5	94036.4	+0431.1	2335	9.5	102017.3	+0447.8
2070	9.5	84633.8	+0447.5	2160	9.5	91015.2	+0413.9	2250	9.5	94056.7	+0443.9	2336	9.5	102024.0	+0453.4
2071	9.5	84640.4	+0404.4	2161	9.5	91055.7	+0438.1	2251	9.0	94087.7	+0446.2	2337	7.8	102034.9	+0403.7
2072	9.3	84711.1	+0457.2	2162	9.5	91106.9	+0427.2	2252	9.5	94250.8	+0425.1	2338	9.3	102038.9	+0415.5
2073	9.0	84718.3	+0427.0	2163	9.5	91128.1	+0459.5	2253	9.4	94257.5	+0417.1	2339	9.3	102041.0	+0430.7
2074	8.5	84721.6	+0441.6	2164	9.3	91129.7	+0416.3	2254	9.5	94305.7	+0423.1	2340	9.3	102125.4	+0411.8
2075	9.5	84722.9	+0403.3	2165	8.5	91217.7	+0453.6	2255	8.7	94306.0	+0401.8	2341	9.5	102132.2	+0448.9
2076	9.0	84815.6	+0425.3	2166	9.4	91240.0	+0428.3	2256	9.0	94314.9	+0421.1	2342	9.0	102134.0	+0427.0
2077	9.5	84820.6	+0443.7	2167	9.1	91244.0	+0420.6	2257	9.5	94343.1	+0406.5	2343	9.0	102158.7	+0438.3
2078	9.4	84834.9	+0406.6	2168	9.5	91247.1	+0445.3	2258	7.7	94357.1	+0402.7	2344	8.4	102246.6	+0416.9
2079	8.4	84843.2	+0407.8	2169	9.0	91316.4	+0445.7	2259	9.2	94504.9	+0413.4	2345	9.0	102311.0	+0438.6
2080	9.3	84855.6	+0437.0	2170	9.5	91333.9	+0430.7	2260	9.3	94512.8	+0444.9	2346	9.3	102420.9	+0444.1
2081	7.0	84900.6	+0447.8	2171	8.0	91340.6	+0402.3	2261	9.2	94575.5	+0434.4	2347	9.5	102528.7	+0456.6
2082	9.5	84910.7	+0401.4	2172	8.5	91355.0	+0423.7	2262	8.2	94611.8	+0401.3	2348	9.5	102549.5	+0434.8
2083	9.5	84925.9	+0423.3	2173	9.5	91408.1	+0400.5	2263	8.5	94713.7	+0442.5	2349	9.5	102608.2	+0448.9
2084	8.7	84951.4	+0459.9	2174	8.2	91447.3	+0459.1	2263a	9.5	94805.0	+0432.9	2350	8.8	102618.7	+0456.1
2085	9.5	85004.5	+0403.1	2175	9.2	91503.3	+0456.2	2264	9.2	94837.1	+0409.2	2351	8.5	102646.7	+0451.6
2086	9.0	85013.9	+0431.7	2176	9.5	91512.8	+0429.0	2265	9.0	94854.6	+0428.4	2352	9.0	102652.3	+0412.8
2087	9.5	85109.6	+0439.5	2177	9.1	91531.1	+0449.8	2266	8.2	94904.4	+0443.7	2353	8.9	102656.3	+0423.6
2088	8.0	85124.3	+0413.4	2178	7.8	91542.7	+0407.6	2267	9.5	94913.6	+0444.4	2354	9.5	102725.2	+0434.1
2089	9.4	85134.1	+0436.1	2179	9.5	91549.4	+0456.0	2268	8.5	94916.8	+0439.1	2355	9.5	102726.6	+0407.0
2090	9.5	85146.1	+0400.6	2180	9.0	91559.7	+0430.7	2269	7.5	94917.1	+0455.7	2356	9.3	102752.1	+0421.4
2091	9.5	85148.6	+0438.8	2181	8.3	91628.7	+0454.3	2270	8.3	94935.9	+0401.9	2357	9.5	102847.8	+0425.9
2092	9.0	85200.6	+0411.7	2182	9.5	91630.6	+0421.0	2271	9.0	95009.0	+0456.7	2358	9.0	102909.2	+0441.7
2093	9.5	85222.7	+0422.4	2183	9.5	91709.4	+0417.3	2272	9.5	95029.3	+0427.6	2359	9.5	102924.2	+0404.9
2094	9.5	85225.8	+0451.3	2184	8.5	91726.4	+0438.0	2273	9.5	95124.7	+0408.3	2360	9.5	103008.1	+0424.5
2095	9.1	85229.2	+0412.9	2185	8.0	91748.1	+0454.0	2274	9.3	95127.4	+0429.4	2361	9.5	103016.0	+0406.5
2096	9.5	85232.5	+0459.5	2186	9.5	91803.1	+0417.5	2275	9.0	95202.5	+0404.3	2362	9.2	103043.2	+0409.4
2097	9.5	85234.0	+0411.6	2187	8.5	91826.1	+0454.3	2276	6.5	95212.3	+0404.3	2363	9.0	103055.9	+0452.5
2098	8.6	85244.7	+0405.8	2188	9.5	91906.0	+0412.2	2277	9.0	95408.1	+0457.1	2364	9.3	103125.6	+0438.3
2099	9.5	85249.0	+0406.6	2189	8.7	91910.6	+0457.3	2278	8.7	95431.1	+0436.6	2365	9.3	103127.7	+0431.4
2100	9.5	85250.0	+0404.6	2190	8.7	91922.8	+0407.8	2279	8.3	95442.5	+0439.3	2366	9.0	103247.2	+0453.5
2101	9.5	85328.6	+0438.5	2191	9.5	92012.0	+0455.0	2280	9.0	95444.2	+0450.2	2367	8.5	103254.7	+0447.9
2102	9.0	85333.9	+0429.0	2192	9.5	92029.7	+0414.0	2281	8.5	95508.8	+0422.7	2368	9.5	103257.3	+0409.0
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+04 3461 17h30m

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3464	8.1	173100.8	+0434.5	3554	9.0	174916.9	+0416.2	3643	9.5	180514.1	+0458.9	3733	9.4	181729.3	+0452.9
3465	9.5	173103.5	+0440.0	3555	9.5	174918.0	+0421.5	3644	8.8	180515.5	+0413.3	3734	9.5	181746.9	+0450.2
3466	8.7	173114.3	+0417.2	3556	8.0	174935.9	+0424.2	3645	8.9	180517.6	+0412.1	3735	8.5	181804.8	+0435.5
3467	8.6	173130.3	+0426.1	3557	8.5	174937.9	+0451.3	3646	9.4	180520.5	+0458.7	3736	9.2	181811.7	+0407.8
3468	9.2	173151.2	+0422.3	3558	8.7	175011.0	+0454.5	3647	9.5	180523.0	+0455.4	3737	8.1	181829.3	+0432.4
3469	8.1	173156.5	+0432.9	3559	9.5	175017.8	+0435.7	3648	9.1	180528.1	+0410.0	3738	8.8	181847.5	+0433.5
3470	9.2	173200.1	+0429.4	3560	8.7	175033.3	+0428.0	3649	8.6	180536.9	+0406.8	3739	9.5	181900.9	+0430.2
3471	9.2	173208.6	+0418.2	3561	9.4	175042.9	+0416.9	3650	9.5	180546.6	+0459.1	3740	9.3	181904.6	+0423.9
3472	9.3	173225.7	+0449.3	3561a	9.5	175044.3	+0417.9	3651	9.2	180551.6	+0414.8	3741	9.5	181911.4	+0455.8
3473	9.5	173233.2	+0417.5	3562	9.5	175114.9	+0429.4	3652	8.7	180555.5	+0403.1	3742	9.4	181917.1	+0431.9
3474	9.3	173248.5	+0422.8	3563	9.5	175134.8	+0409.6	3653	9.5	180607.0	+0458.0	3743	9.1	181920.3	+0408.4
3475	9.3	173332.6	+0445.2	3564	8.8	175157.3	+0457.9	3654	9.5	180623.5	+0457.7	3744	9.3	181930.2	+0409.5
3476	7.8	173333.8	+0412.6	3565	9.5	175205.6	+0451.5	3655	8.9	180634.8	+0436.8	3745	9.5	181942.6	+0414.6
3477	9.0	173344.4	+0455.2	3566	9.5	175215.2	+0437.4	3656	9.5	180637.9	+0457.9	3746	9.1	181944.4	+0414.4
3478	9.5	173354.8	+0402.3	3567	9.4	175217.5	+0449.2	3657	9.5	180650.7	+0428.8	3747	9.5	181951.1	+0404.4
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3480	9.4	173424.1	+0452.2	3569	9.4	175228.0	+0420.1	3659	9.5	180716.5	+0434.1	3749	9.5	181954.0	+0407.2
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3482	7.5	173443.6	+0425.6	3571	9.3	175311.8	+0431.8	3661	9.5	180723.9	+0448.7	3751	9.4	182022.8	+0421.2
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3486	9.3	173603.6	+0415.0	3575	9.3	175528.8	+0416.6	3665	9.5	180757.2	+0416.7	3755	9.0	182114.0	+0442.5
3487	9.5	173608.0	+0401.4	3576	9.5	175528.9	+0429.6	3666	9.5	180806.0	+0437.8	3756	9.4	182116.2	+0455.1
3488	9.4	173613.4	+0457.8	3577	9.5	175536.3	+0429.7	3667	9.5	180808.0	+0435.0	3757	9.5	182120.5	+0416.7
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3492	9.3	173645.7	+0452.3	3581	9.0	175613.4	+0447.5	3671	9.5	180833.3	+0400.1	3761	9.4	182202.1	+0448.5
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3497	9.4	173815.0	+0451.7	3586	9.5	175710.3	+0405.2	3676	8.3	180902.5	+0430.8	3766	9.2	182228.3	+0447.3
3498	8.8	173818.5	+0429.9	3587	9.5	175737.9	+0406.5	3677	9.1	180906.5	+0430.8	3767	9.5	182240.5	+0432.2
3499	9.5	173819.3	+0454.5	3588	9.0	175820.9	+0431.1	3678	9.5	180911.4	+0428.3	3768	9.5	182240.6	+0429.9
3500	9.5	173847.1	+0451.6	3589	7.2	175828.8	+0439.5	3679	9.3	180925.6	+0419.1	3769	9.5	182243.2	+0444.2
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3516	9.4	174200.0	+0435.5	3605	9.5	175955.4	+0404.8	3695	9.5	181123.2	+0447.0	3785	7.5	182527.5	+0411.4
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1960	8.0	81508.8	+0306.7	2049	9.3	83855.8	+0324.6	2139	8.5	85733.3	+0330.9	2228	9.3	92535.4	+0313.3
1961	9.4	81315.2	+0347.9	2050	9.5	83859.6	+0301.3	2140	9.5	85843.0	+0311.8	2229	9.3	92552.9	+0317.7
1962	9.5	81335.2	+0337.4	2051	9.5	83904.1	+0305.8	2141	9.0	85844.5	+0337.5	2230	9.5	92710.5	+0314.1
1963	9.0	81357.2	+0347.6	2052	9.5	83928.3	+0305.5	2142	8.0	85905.4	+0323.8	2231	9.0	92746.3	+0303.5
1964	9.5	81415.5	+0328.2	2053	9.2	84022.4	+0341.2	2143	9.3	85932.1	+0314.6	2232	9.0	92758.4	+0315.5
1965	9.3	81533.8	+0333.4	2054	9.4	84024.6	+0339.3	2144	7.3	85943.7	+0308.7	2233	8.5	92811.7	+0317.2
1966	9.5	81543.1	+0309.7	2055	8.0	84026.8	+0301.4	2145	9.5	85943.8	+0337.2	2234	9.5	92817.4	+0354.4
1967	9.5	81547.7	+0344.8	2056	7.5	84039.7	+0307.0	2146	8.8	90005.6	+0340.6	2235	9.5	92839.7	+0330.2
1968	8.9	81608.5	+0341.6	2057	7.3	84100.5	+0305.4	2147	9.3	90029.3	+0354.3	2236	9.5	92852.8	+0317.6
1969	9.4	81611.8	+0319.5	2058	8.9	84101.8	+0336.1	2148	9.4	90042.0	+0306.8	2237	9.5	92904.1	+0314.2
1970	9.4	81613.7	+0355.9	2059	9.0	84103.8	+0308.0	2149	9.0	90050.5	+0345.2	2238	9.0	92918.0	+0343.7
1971	9.5	81631.5	+0325.0	2060	9.0	84111.7	+0323.9	2150	9.5	90119.2	+0313.2	2239	9.5	92943.2	+0324.8
1972	9.3	81635.4	+0309.0	2061	9.5	84142.2	+0329.1	2151	9.5	90145.0	+0335.8	2240	9.2	93002.7	+0311.2
1973	9.3	81651.6	+0338.7	2062	9.5	84152.8	+0320.7	2152	9.1	90150.0	+0349.6	2241	9.5	93005.3	+0351.3
1974	8.7	81652.2	+0344.9	2063	8.3	84212.8	+0316.6	2153	9.5	90156.3	+0337.5	2242	9.5	93059.1	+0302.7
1975	9.0	81657.5	+0313.3	2064	9.5	84309.3	+0345.6	2154	7.8	90157.6	+0331.6	2243	9.5	93114.0	+0345.8
1976	8.5	81800.2	+0357.6	2065	9.3	84317.1	+0326.7	2155	9.5	90213.5	+0356.3	2244	9.5	93121.3	+0320.4
1977	9.5	81847.2	+0301.5	2066	9.3	84327.3	+0327.0	2156	9.5	90230.0	+0348.3	2245	9.0	93125.3	+0352.4
1978	9.5	81908.5	+0316.7	2067	9.4	84330.7	+0325.0	2157	9.5	90258.1	+0348.0	2246	9.3	93131.6	+0357.8
1979	9.3	81928.7	+0358.1	2068	9.5	84338.0	+0337.7	2158	9.5	90302.1	+0314.9	2247	9.5	93144.1	+0337.1
1980	9.5	81929.0	+0331.4	2069	9.4	84338.0	+0357.8	2159	9.4	90318.4	+0301.4	2248	8.8	93148.8	+0337.5
1981	9.5	81952.8	+0300.2	2070	9.5	84338.8	+0355.6	2160	9.4	90349.6	+0341.0	2249	7.7	93206.9	+0350.6
1982	9.4	82015.4	+0301.4	2071	9.3	84340.6	+0307.7	2160a	9.7	90413.8	+0359.2	2250	9.0	93237.9	+0337.2
1983	7.7	82021.5	+0341.1	2072	9.4	84341.2	+0323.5	2161	9.0	90425.5	+0322.3	2251	9.5	93246.2	+0318.0
1984	9.5	82040.8	+0350.4	2073	9.2	84347.0	+0308.8	2162	8.5	90429.5	+0344.5	2252	9.0	93313.3	+0303.6
1985	9.5	82111.2	+0322.3	2074	9.5	84351.4	+0307.0	2163	9.5	90430.8	+0317.4	2253	9.5	93340.5	+0303.4
1986	9.1	82114.7	+0347.3	2075	9.3	84353.6	+0328.2	2164	8.8	90446.9	+0350.8	2254	9.5	93349.1	+0336.3
1987	9.5	82141.5	+0336.5	2076	8.8	84421.0	+0333.7	2165	9.5	90456.0	+0350.7	2255	9.5	93400.7	+0336.6
1988	8.9	82155.0	+0333.4	2077	9.5	84440.3	+0317.0	2166	9.0	90501.6	+0316.4	2256	9.0	93407.0	+0310.1
1989	8.9	82156.8	+0344.8	2078	9.5	84445.0	+0301.0	2167	9.5	90513.1	+0331.3	2257	9.5	93441.8	+0334.1
1990	8.9	82213.7	+0358.9	2079	9.5	84450.8	+0329.1	2168	9.3	90541.3	+0354.9	2258	9.3	93449.1	+0336.6
1991	9.5	82241.2	+0313.2	2080	9.0	84455.0	+0304.3	2169	8.5	90547.6	+0357.5	2259	9.4	93451.1	+0349.9
1992	8.5	82248.8	+0319.2	2081	9.0	84517.8	+0334.0	2170	8.8	90601.0	+0330.6	2260	9.5	93532.1	+0356.9
1993	9.0	82252.3	+0355.3	2082	9.5	84526.2	+0359.4	2171	9.0	90612.1	+0327.1	2261	7.5	93556.4	+0317.4
1994	9.0	82306.1	+0309.6	2083	9.3	84526.6	+0355.1	2172	9.5	90617.6	+0350.8	2262	8.8	93568.0	+0335.1
1995	9.3	82312.5	+0315.5	2084	9.5	84550.0	+0317.9	2173	8.0	90622.3	+0328.5	2263	8.9	93562.6	+0304.6
1996	9.5	82356.5	+0334.1	2085	30.0	84600.0	+0336.4	2174	9.5	90641.5	+0316.4	2264	9.4	93569.1	+0301.0
1997	8.7	82414.8	+0311.9	2086	9.5	84609.0	+0312.5	2175	9.5	90647.0	+0341.3	2265	9.5	93572.3	+0324.6
1998	9.5	82440.2	+0337.2	2087	8.6	84619.5	+0303.1	2176	9.3	90807.5	+0359.1	2266	9.5	93744.4	+0309.8
1999	9.5	82455.9	+0345.1	2088	8.7	84646.8	+0339.9	2177	8.5	90822.0	+0309.4	2267	9.5	93943.0	+0319.7
2000	9.5	82508.3	+0341.1	2089	9.2	84706.4	+0308.2	2178	9.3	90846.1	+0355.7	2268	9.2	94120.0	+0315.1
2001	9.5	82512.2	+0316.4	2090	9.3	84727.2	+0333.4	2179	9.4	90914.7	+0344.0	2269	9.4	94150.2	+0303.4
2002	9.3	82522.7	+0300.7	2091	9.5	84736.6	+0304.9	2180	9.2	90918.5	+0302.0	2270	9.1	94211.4	+0347.0
2003	9.4	82544.4	+0303.2	2092	9.5	84737.3	+0324.3	2181	9.5	90929.6	+0348.5	2271	9.5	94235.3	+0325.7
2004	9.5	82614.2	+0323.3	2093	8.1	84738.4	+0311.2	2182	8.0	90940.8	+0316.9	2272	9.3	94324.2	+0345.0
2005	8.9	82629.5	+0358.4	2094	9.5	84804.6	+0312.3	2183	9.5	91036.0	+0305.6	2273	9.2	94346.0	+0313.8
2006	9.5	82653.5	+0346.7	2095	8.8	84826.3	+0315.9	2184	8.8	91023.3	+0307.8	2274	9.0	94401.4	+0349.6
2007	8.9	82705.6	+0211.1	2096	9.0	84831.1	+0351.4	2185	9.0	91034.6	+0321.5	2275	9.1	94423.3	+0308.2
2008	9.3	82721.5	+0319.9	2097	9.0	84928.7	+0326.6	2186	8.9	91035.3	+0341.0	2276	9.5	94426.0	+0328.6
2008a	9.6	82729.6	+0328.7	2098	9.5	84931.1	+0354.6	2187	9.5	91106.1	+0343.8	2277	8.5	94433.6	+0330.1
2009	9.5	82733.2	+0310.8	2099	7.3	84941.2	+0305.0	2188	9.5	91124.5	+0323.4	2278	9.2	94435.7	+0350.6
2010	9.2	82737.3	+0328.8	2100	9.5	84944.7	+0312.8	2189	9.0	91216.8	+0337.9	2279	8.3	94442.8	+0353.6
2011	8.9	82739.5	+0356.9	2101	8.8	84946.4	+0356.0	2190	9.5	91250.0	+0358.4	2280	6.0	94444.3	+0307.6
2012	9.3	82743.5	+0348.0	2102	9.5	85008.7	+0352.8	2191	9.0	91259.6	+0324.4	2281	9.4	94509.1	+0307.5
2013	8.9	82748.8	+0347.0	2103	9.0	85015.1	+0359.6	2192	9.5	91240.5	+0344.5	2282	9.4	94516.6	+0301.6
2014	7.0	82751.7	+0314.3	2104	9.5	85018.5	+0327.9	2193	7.2	91337.5	+0313.6	2283	8.6	94534.9	+0338.6
2015	9.3	82843.0	+0311.0	2105	9.5	85027.0	+0333.9	2194	9.5	91445.6	+0313.6	2284	9.5	94553.8	+0316.9
2016	9.0	82920.5	+0331.7	2106	9.0	85054.3	+0306.6	2195	8.8	91523.4	+0358.5	2285	9.5	94557.7	+0305.2
2017	9.5	82934.4	+0308.8	2107	9.1	85101.3	+0323.6	2196	7.5	91607.4	+0301.0	2286	9.5	94602.3	+0345.7
2018	9.3	82934.5	+0318.8	2108	9.5	85102.8	+0330.9	2197	8.8	91611.6	+0321.9	2287	9.5	94731.4	+0314.7
2019	9.3	82949.4	+0355.0	2109	9.5	85135.0	+0352.1	2198	9.5	91645.5	+0352.5	2288	9.5	94751.6	+0323.7
2020	9.5	83010.5	+0335.8	2110	9.5	85138.2	+0347.2	2199	9.5	91715.1	+0314.3	2289	9.5	94758.9	+0341.5
2021	9.0	83021.4	+0354.7	2111	9.3	85140.7	+0319.0	2200	9.4	91724.9	+0304.5	2290	8.5	94828.5	+0328.6
2022	9.4	83022.9	+0308.1	2112	9.5	85146.2	+0308.7	2201	9.4	91753.6	+0325.7	2291	9.3	94837.4	+0337.1
2023	9.5	83027.7	+0302.1	2113	9.5	85149.3	+0306.9	2202	7.8	91828.5	+0339.3	2292	9.5	94839.0	+0319.1
2024	9.0	83036.3	+0301.5	2114	9.5	85139.5	+0359.0	2203	9.0	91838.6	+0319.1	2293	9.2	94916.2	+0335.8
2025	9.2	83047.6	+0322.4	2115	9.5	85172.2	+0349.6	2204	8.2	91856.4	+0307.8	2294	9.5	94942.8	+0307.5
2026	4.9	83110.7	+0350.5	2116	9.5	85333.3	+0338.8	2205	9.5	91907.3	+0334.4	2295	9.4	94947.7	+0308.6
2027	9.2	83114.3	+0313.8	2117	9.0	85341.2	+0318.7	2206	9.5	91909.0	+0322.3	2296	9.5	95007.0	+0313.9
2028	9.5	83153.2	+0327.3	2118	8.8	85348.8	+0308.7	2207	9.0	91929.2	+0305.9	2297	8.9	95051.2	+0303.0
2029	9.0	83249.3	+0325.3	2119	9.0	85402.2	+0322.1	2208	8.5	92024.5	+0328.5	2298	9.3	95108.2	+0312.2
2030	9.0	83308.2	+0334.7	2120	9.0	85404.3	+0333.2	2209	9.3	92056.6	+0320.2	2299	9.5	95122.2	+0319.6
2031	9.5	83312.3	+0337.5	2121	9.5	85406.7	+0352.4	2210	9.3	92130.4	+0324.0	2300	8.8	95119.8	+0305.6
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610	9.5	34149.6	+0227.1	700	8.5	41609.6	+0242.5	790	9.2	44341.1	+0252.0	879	9.5	50305.3	+0227.5
611	9.5	34149.9	+0247.5	701	9.5	41633.1	+0229.3	791	9.5	44420.0	+0220.3	880	9.5	50321.3	+0256.5
612	8.4	34152.7	+0203.1	702	8.0	41653.0	+0208.8	792	9.5	44435.0	+0258.7	881	9.5	50326.7	+0233.8
613	9.3	34200.6	+0227.2	703	9.5	41710.8	+0246.2	793	9.4	44443.1	+0255.1	882	9.5	50331.0	+0233.8
614	9.3	34227.9	+0246.4	704	9.5	41735.7	+0202.8	794	9.4	44447.3	+0242.7	883	9.4	50348.8	+0217.3
615	9.3	34232.6	+0214.1	705	9.0	41750.3	+0201.2	795	9.5	44449.1	+0214.5	884	9.5	50415.6	+0205.7
616	9.5	34251.9	+0233.7	706	8.5	41806.3	+0235.2	796	9.3	44451.2	+0202.6	885	9.5	50421.6	+0208.7
617	9.5	34326.9	+0214.6	707	9.0	41857.8	+0220.2	797	9.4	44457.0	+0208.6	886	9.5	50510.5	+0237.2
618	8.3	34412.0	+0219.7	708	9.2	41901.2	+0234.9	798	9.5	44501.5	+0242.5	887	9.5	50513.4	+0247.8
619	9.2	34444.0	+0249.7	709	8.8	41905.2	+0242.8	799	9.0	44510.5	+0227.3	888	4.8	50541.7	+0240.5
620	8.4	34503.0	+0204.2	710	9.5	41917.9	+0252.8	800	5.0	44550.0	+0216.2	889	9.2	50558.6	+0227.1
621	9.5	34506.0	+0258.0	711	9.5	41931.6	+0254.9	801	9.2	44550.6	+0219.7	890	9.2	50607.6	+0201.5
622	9.5	34517.0	+0224.9	712	9.5	41944.7	+0230.7	802	9.5	44559.7	+0206.5	891	9.5	50612.1	+0217.5
623	9.3	34638.0	+0203.4	713	9.5	42005.0	+0237.9	803	9.5	44605.3	+0259.0	892	9.0	50612.1	+0211.9
624	9.5	34743.5	+0246.5	714	9.5	42011.7	+0226.3	804	9.0	44609.4	+0220.0	893	9.5	50617.1	+0243.3
625	9.5	34829.6	+0244.1	715	9.0	42040.4	+0245.9	805	9.3	44615.2	+0212.7	894	9.5	50645.6	+0233.0
626	9.5	34845.3	+0221.1	716	9.0	42043.4	+0224.6	806	9.2	44617.0	+0222.0	895	9.2	50702.7	+0223.6
627	9.0	34849.7	+0201.5	717	9.5	42047.7	+0253.8	807	9.0	44621.1	+0251.7	896	9.5	50705.3	+0258.5
628	7.0	34903.5	+0238.3	718	9.5	42047.8	+0212.1	808	9.3	44622.1	+0227.9	897	9.2	50726.9	+0225.2
629	8.8	34925.7	+0232.5	719	9.5	42052.5	+0209.3	809	9.3	44635.6	+0233.2	898	9.5	50730.7	+0227.0
630	9.3	34941.3	+0258.8	720	8.3	42116.9	+0203.3	810	3.5	44642.2	+0213.4	899	9.4	50732.6	+0255.7
631	9.3	35005.0	+0245.9	721	9.5	42128.0	+0237.0	811	9.0	44704.0	+0207.1	900	9.5	50804.2	+0221.3
632	9.0	35040.7	+0222.2	722	9.5	42201.4	+0206.7	812	9.3	44715.6	+0216.2	901	9.1	50809.4	+0248.7
633	8.5	35114.2	+0204.9	723	9.5	42227.1	+0244.4	813	8.3	44742.4	+0244.1	902	9.4	50811.1	+0227.6
634	9.3	35146.5	+0201.0	724	9.5	42311.7	+0245.9	814	8.8	44803.9	+0234.4	903	9.5	50824.3	+0215.0
635	8.5	35159.4	+0215.2	725	9.5	42333.9	+0200.5	815	9.5	44806.6	+0208.1	904	9.5	50849.4	+0235.6
636	9.5	35239.5	+0235.6	726	8.5	42335.4	+0235.5	816	8.8	44834.4	+0241.7	905	9.4	50854.2	+0247.8
637	9.2	35317.5	+0251.5	727	9.0	42345.4	+0226.9	817	9.5	44836.7	+0250.0	906	9.5	50855.6	+0226.0
638	9.3	35325.7	+0216.2	728	9.5	42407.8	+0250.8	818	9.2	44838.6	+0256.6	907	9.5	50905.7	+0248.8
639	9.1	35443.3	+0200.3	729	9.3	42439.4	+0216.6	819	8.5	44922.0	+0232.3	908	9.5	50944.3	+0222.5
640	7.8	35545.5	+0239.3	730	9.3	42546.4	+0226.3	820	9.0	44931.9	+0256.1	909	9.5	51004.2	+0246.1
641	7.7	35547.9	+0246.7	731	9.5	42551.0	+0231.3	821	9.0	44942.9	+0249.2	910	9.5	51015.9	+0209.1
642	9.5	35614.5	+0232.6	732	9.5	42557.0	+0200.8	822	9.5	44948.9	+0249.2	911	9.5	51028.6	+0208.0
643	9.3	35618.6	+0210.1	733	9.3	42519.3	+0227.5	823	9.5	44959.4	+0238.2	912	9.5	51040.0	+0246.4
644	9.5	35625.6	+0233.9	734	9.3	42532.4	+0230.3	824	9.5	45002.1	+0249.8	913	9.5	51106.7	+0208.7
645	5.8	35634.8	+0225.5	735	9.2	42545.8	+0246.7	825	9.3	45010.9	+0237.9	914	9.5	51114.8	+0238.2
646	9.4	35649.9	+0217.8	736	8.8	42924.0	+0231.8	826	9.3	45022.4	+0253.8	915	9.5	51121.0	+0258.9
647	9.3	35745.6	+0251.4	737	8.8	42940.4	+0216.3	827	9.3	45046.2	+0202.7	916	6.1	51137.0	+0226.7
648	9.5	35935.6	+0206.5	738	8.8	42944.8	+0224.5	828	9.0	45054.6	+0236.5	917	9.5	51139.2	+0235.3
649	8.7	40013.7	+0220.3	739	9.5	42947.5	+0209.0	829	9.3	45114.6	+0237.9	918	8.8	51145.5	+0259.0
650	9.4	40020.7	+0201.8	740	9.3	43001.3	+0221.8	830	9.3	45154.5	+0255.9	919	9.5	51207.9	+0208.0
651	9.0	40020.7	+0244.8	741	9.5	43103.7	+0249.7	831	9.5	45159.6	+0227.8	920	8.0	51215.7	+0222.4
652	9.5	40100.0	+0237.3	742	9.2	43113.7	+0208.6	832	9.2	45206.9	+0234.4	921	9.5	51226.0	+0206.7
653	9.0	40140.6	+0216.5	743	9.5	43115.7	+0249.0	833	9.3	45305.6	+0253.0	922	9.1	51228.2	+0253.1
654	8.7	40201.0	+0252.6	744	9.0	43151.4	+0255.6	834	9.5	45316.6	+0243.4	923	9.3	51308.8	+0200.7
655	7.1	40209.3	+0256.2	745	9.5	43205.4	+0209.3	835	9.2	45320.2	+0245.0	924	7.2	51309.6	+0223.9
656	9.5	40239.0	+0239.0	746	9.3	43301.4	+0206.9	836	9.5	45330.4	+0245.1	925	9.5	51311.9	+0202.4
657	9.0	40410.0	+0215.5	747	8.0	43324.6	+0213.4	837	8.5	45403.4	+0242.9	926	7.3	51316.1	+0246.6
658	9.2	40513.5	+0222.0	748	9.5	43336.5	+0201.8	838	9.3	45417.7	+0216.2	927	9.4	51342.5	+0231.3
659	9.5	40533.0	+0216.9	749	9.3	43351.4	+0258.5	839	9.0	45423.8	+0225.5	928	9.5	51349.9	+0258.4
660	9.5	40544.0	+0201.3	750	9.5	43359.3	+0208.0	840	9.5	45432.7	+0236.9	929	9.4	51350.7	+0236.6
661	8.5	40548.6	+0230.3	751	8.0	43440.4	+0242.7	841	9.5	45434.7	+0232.8	930	9.4	51401.0	+0229.8
662	9.5	40619.0	+0208.0	752	9.5	43457.4	+0236.6	842	9.5	45452.6	+0246.2	931	9.2	51415.0	+0244.4
663	9.0	40620.0	+0244.4	753	9.5	43524.5	+0208.4	843	9.3	45509.4	+0253.7	932	9.5	51428.4	+0225.7
664	9.3	40650.0	+0209.9	754	9.5	43550.8	+0259.7	844	9.0	45512.2	+0206.1	933	8.3	51455.7	+0250.1
665	9.0	40654.1	+0237.5	755	9.4	43603.9	+0245.0	845	9.5	45523.7	+0232.5	934	8.5	51501.9	+0227.9
666	9.3	40725.5	+0212.5	756	9.0	43639.0	+0208.0	846	9.5	45532.2	+0242.3	935	9.5	51505.6	+0253.6
667	8.5	40732.8	+0253.1	757	9.5	43641.7	+0241.7	847	9.5	45539.1	+0239.6	936	7.6	51510.5	+0239.3
668	9.5	40813.6	+0258.9	758	8.5	43707.9	+0256.3	848	9.5	45547.9	+0255.5	937	9.5	51545.9	+0229.8
669	9.0	40856.3	+0217.5	759	9.0	43740.6	+0230.8	849	9.3	45601.3	+0205.8	938	9.5	51557.1	+0214.1
670	8.2	40902.0	+0225.8	760	8.5	43746.6	+0221.4	850	8.5	45604.6	+0221.3	939	9.5	51603.4	+0219.4
671	9.0	40928.5	+0246.8	761	9.2	43750.9	+0230.2	851	9.5	45615.7	+0253.1	940	9.5	51612.0	+0200.7
672	9.0	40946.0	+0203.7	762	9.3	43809.9	+0254.4	852	8.7	45615.7	+0231.0	941	8.6	51620.9	+0209.5
673	7.7	40947.5	+0210.1	763	8.5	43815.7	+0245.3	853	8.7	45628.6	+0245.0	942	9.3	51633.9	+0220.0
674	9.3	40947.7	+0250.0	764	8.3	43830.6	+0249.6	854	9.3	45707.9	+0215.0	943	9.3	51643.9	+0213.7
675	9.5	40951.6	+0253.7	765	8.7	43836.5	+0253.6	855	8.3	45726.6	+0227.0	944	9.5	51650.0	+0246.9
676	9.5	40956.1	+0212.6	766	8.8	43838.0	+0235.2	856	9.4	45730.8	+0203.8	945	9.1	51650.7	+0224.6
677	9.5	41007.4	+0200.7	767	9.3	43858.7	+0226.2	857	9.5	45734.3	+0224.5	946	9.5	51659.9	+0241.6
678	9.3	41051.6	+0210.6	768	8.8	43911.4	+0227.0	858	9.5	45757.7	+0244.5	947	7.4	51704.3	+0213.3
679	9.2	41051.8	+0200.8	769	9.3	43913.1	+0212.6	859	9.5	45842.4	+0256.2	948	9.4	51704.8	+0237.3
680	8.2	41102.7	+0206.2	770	9.5	43934.4	+0250.7	860	9.0	45843.0	+0245.5	949	9.3	51705.0	+0243.2
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682	9.3	41122.8	+0255.0	772	9.2	44044.2	+0226.6	862	9.0	45910.5	+0209.1	951	9.5	51718.9	+0258.2
683	9.0	41128.1	+0219.5	773	7.2	44053.8	+0227.7	863	9.3	45914.4	+0232.9	952	8.7	51735.6	+0246.6
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685	8.0	41205.5	+0238.2	775	8.8	44102.0	+0251.9	865	9.4	45943.9	+0229.1	954	9.5	51740.5	+0223.3
686	9.5	41243.0													

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2759	8.7	135345.7	+0202.3	2849	9.3	143203.7	+0208.4	2938	9.5	150809.3	+0247.9	3027	9.2	155327.8	+0248.8
2760	9.2	135410.5	+0215.3	2850	9.1	143317.2	+0236.1	2939	9.5	150837.4	+0234.5	3028	9.5	155333.5	+0216.5
2761	4.2	135417.0	+0215.0	2851	9.3	143354.3	+0237.1	2940	9.3	150842.2	+0242.7	3029	9.5	155351.0	+0201.9
2762	9.0	135417.8	+0259.2	2852	9.5	143414.6	+0228.3	2941	9.5	150905.7	+0258.0	3030	8.6	155410.8	+0228.6
2763	8.5	135423.2	+0226.7	2853	8.0	143436.3	+0215.2	2941a	9.5	150924.3	+0202.3	3031	9.1	155411.8	+0244.6
2764	9.0	135439.5	+0215.6	2854	8.1	143512.4	+0254.5	2942	9.5	151107.3	+0217.7	3032	9.3	155509.5	+0223.7
2765	8.7	135454.5	+0223.7	2855	7.7	143552.9	+0226.7	2943	20.0	151114.8	+0236.9	3033	8.0	155537.1	+0206.2
2766	9.2	135455.3	+0250.3	2856	9.5	143616.8	+0257.2	2944	5.0	151157.2	+0218.7	3034	9.5	155609.4	+0259.6
2767	9.3	135555.5	+0223.6	2857	9.5	143643.6	+0259.0	2945	9.5	151244.3	+0250.0	3035	9.5	155629.8	+0235.2
2768	6.7	135716.7	+0259.6	2858	8.5	143725.6	+0238.6	2946	9.5	151313.3	+0237.9	3036	9.3	155634.8	+0247.8
2769	8.5	135738.9	+0239.2	2859	8.8	143746.2	+0241.6	2947	9.5	151400.3	+0227.3	3037	9.3	155659.1	+0235.2
2770	8.8	135835.0	+0245.6	2860	9.5	143755.0	+0247.0	2948	9.5	151419.8	+0228.7	3038	9.2	155701.8	+0241.5
2771	8.5	135843.5	+0212.8	2861	8.9	143757.8	+0212.2	2949	9.5	151436.8	+0220.0	3039	9.5	155736.8	+0236.9
2772	9.0	135921.8	+0237.0	2862	4.0	143856.2	+0229.6	2950	9.5	151441.8	+0236.5	3040	9.5	155753.4	+0227.5
2773	9.0	140018.9	+0232.5	2863	8.9	143950.4	+0212.7	2951	9.5	151457.3	+0231.2	3041	9.3	155813.0	+0216.7
2774	8.9	140028.1	+0208.0	2864	9.2	144004.1	+0249.2	2952	8.6	151526.3	+0243.7	3042	7.3	155855.0	+0205.5
2775	9.3	140040.7	+0213.2	2865	7.7	144006.3	+0239.8	2953	9.5	151623.3	+0207.1	3043	8.4	155905.0	+0228.9
2776	9.5	140206.5	+0253.2	2866	9.0	144025.2	+0226.5	2954	8.8	151624.3	+0232.5	3044	9.3	155924.5	+0243.2
2777	9.5	140241.3	+0257.7	2867	9.5	144028.3	+0214.1	2955	9.2	151649.2	+0251.2	3045	9.5	155933.4	+0258.3
2779	9.4	140309.8	+0223.5	2868	9.5	144135.3	+0245.9	2956	9.2	151718.8	+0249.3	3046	9.2	155939.9	+0255.9
2779	9.5	140316.9	+0253.8	2869	8.1	144217.8	+0206.3	2957	8.6	151740.5	+0200.7	3047	9.5	155950.8	+0254.2
2780	9.2	140344.4	+0245.4	2870	9.0	144227.3	+0250.0	2958	9.0	151746.3	+0215.6	3048	9.5	160000.8	+0257.1
2781	8.6	140351.1	+0252.7	2871	9.1	144232.8	+0239.0	2959	9.5	151803.0	+0252.3	3049	9.1	160008.4	+0243.2
2782	8.3	140356.5	+0216.6	2872	9.5	144250.5	+0212.7	2960	9.5	151826.2	+0256.3	3050	9.4	160025.5	+0217.9
2783	6.6	140410.0	+0202.9	2873	9.1	144308.8	+0236.1	2961	9.5	151806.8	+0201.7	3051	9.5	160114.0	+0203.7
2784	9.3	140436.1	+0242.5	2874	9.5	144345.3	+0209.9	2962	9.0	151831.3	+0223.6	3052	9.5	160129.4	+0235.5
2785	9.5	140446.2	+0201.3	2875	8.9	144403.3	+0239.0	2963	9.3	151838.8	+0211.1	3053	8.5	160129.9	+0214.3
2786	9.1	140514.9	+0216.1	2876	8.2	144433.7	+0237.1	2964	8.6	152114.0	+0259.9	3054	9.5	160136.8	+0215.0
2787	8.9	140535.1	+0251.1	2877	9.5	144448.6	+0220.5	2965	6.3	152120.2	+0220.3	3055	8.7	160205.8	+0255.1
2788	9.5	140639.9	+0223.4	2878	9.5	144509.2	+0222.0	2966	9.2	152156.3	+0229.8	3056	9.2	160226.7	+0255.9
2789	9.2	140643.9	+0253.5	2879	9.5	144538.3	+0232.4	2967	8.7	152205.9	+0220.2	3057	9.5	160249.0	+0235.9
2790	9.1	140703.9	+0228.2	2880	9.4	144557.2	+0259.2	2968	8.6	152216.9	+0215.8	3058	8.0	160321.4	+0259.6
2791	9.1	140705.8	+0241.0	2881	9.5	144621.2	+0250.2	2969	9.5	152245.3	+0230.9	3059	9.5	160341.7	+0205.1
2792	9.0	140710.2	+0254.8	2882	8.8	144625.7	+0222.1	2970	9.5	152250.7	+0209.3	3060	9.5	160411.1	+0226.9
2793	8.9	140714.5	+0219.5	2883	5.1	144645.6	+0259.4	2971	9.5	152252.0	+0249.3	3061	9.5	160414.5	+0242.5
2794	8.7	140717.3	+0229.4	2884	8.3	144646.1	+0244.6	2972	9.5	152343.3	+0210.3	3062	9.3	160503.6	+0254.1
2795	8.5	140738.2	+0234.9	2885	9.5	144717.1	+0236.5	2973	9.3	152413.3	+0221.5	3063	9.5	160615.8	+0259.4
2796	9.2	140810.8	+0241.1	2886	9.0	144739.6	+0236.0	2974	9.5	152430.7	+0249.8	3064	9.5	160640.8	+0214.7
2797	9.5	140905.3	+0224.8	2887	9.0	144806.2	+0235.5	2975	9.3	152430.7	+0257.9	3065	9.1	160713.7	+0235.6
2798	9.5	140905.8	+0243.6	2888	9.5	144823.0	+0216.7	2976	9.3	152745.7	+0222.0	3066	9.3	160823.7	+0252.7
2799	9.2	140944.7	+0202.0	2889	9.4	144829.5	+0242.4	2977	7.1	152746.6	+0209.1	3067	9.5	160845.0	+0240.4
2800	9.4	141056.1	+0258.6	2890	9.5	144900.0	+0255.0	2978	9.4	152749.5	+0203.8	3068	9.4	160856.3	+0204.9
2801	9.5	141210.3	+0243.7	2891	9.4	144942.5	+0233.8	2979	9.5	152753.8	+0204.1	3069	9.3	160903.2	+0203.3
2802	8.5	141212.1	+0218.3	2892	9.5	144943.2	+0208.2	2980	9.5	152816.3	+0237.2	3070	9.2	161013.1	+0234.6
2803	8.3	141250.6	+0236.8	2893	9.5	145002.7	+0215.1	2981	9.5	152815.9	+0243.1	3071	9.2	161021.8	+0225.1
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2806	7.8	141522.4	+0256.3	2896	9.5	145131.6	+0205.9	2984	9.5	153223.4	+0239.4	3074	9.2	161107.0	+0252.9
2807	8.7	141524.1	+0220.2	2897	9.5	145151.3	+0214.0	2985	9.1	153439.8	+0223.0	3075	9.4	161113.3	+0211.2
2808	9.4	141556.5	+0253.5	2898	9.5	145220.7	+0234.0	2986	9.5	153613.5	+0224.8	3076	9.5	161126.6	+0234.5
2809	9.5	141600.3	+0206.9	2899	8.8	145238.1	+0212.7	2987	7.7	153628.5	+0253.4	3077	9.5	161151.0	+0231.7
2810	9.3	141600.8	+0216.4	2900	8.5	145351.4	+0225.7	2988	9.0	153640.0	+0255.7	3078	9.0	161236.5	+0240.8
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2812	9.0	141630.7	+0223.5	2902	9.5	145430.3	+0233.7	2990	9.5	153705.8	+0234.2	3080	9.4	161254.0	+0244.2
2813	8.5	141706.1	+0236.4	2903	9.5	145459.6	+0213.1	2991	9.5	153714.3	+0258.7	3081	9.2	161256.5	+0213.2
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2817	9.5	141849.6	+0210.5	2907	9.2	145558.4	+0256.8	2995	9.5	153848.5	+0240.7	3085	9.3	161327.0	+0215.4
2818	9.3	141854.8	+0231.7	2908	8.9	145621.6	+0256.7	2996	9.1	154013.4	+0252.0	3086	9.5	161402.3	+0244.3
2819	8.8	141912.3	+0241.0	2909	9.3	145642.8	+0240.9	2997	9.5	154019.9	+0217.0	3087	9.3	161424.1	+0235.5
2820	9.5	141916.4	+0246.7	2910	9.5	145648.3	+0208.6	2998	9.4	154020.6	+0254.7	3088	9.5	161448.0	+0201.9
2821	7.7	141940.0	+0223.0	2911	8.5	145758.3	+0235.0	2999	9.5	154026.5	+0204.8	3089	9.2	161457.9	+0249.8
2822	9.5	142024.9	+0234.7	2912	9.5	145850.7	+0258.0	3000	9.5	154048.3	+0229.8	3090	9.0	161611.5	+0237.3
2823	9.5	142113.0	+0222.9	2913	9.3	145853.8	+0252.4	3001	8.0	154050.7	+0202.0	3091	8.9	161613.8	+0233.8
2824	9.5	142121.8	+0248.3	2914	9.4	145907.8	+0217.3	3002	9.5	154214.1	+0219.6	3092	9.5	161619.5	+0230.7
2825	9.5	142126.4	+0253.9	2915	7.1	145948.5	+0255.3	3003	9.5	154232.8	+0236.9	3093	9.5	161627.0	+0240.4
2826	8.0	142131.0	+0216.7	2916	9.3	150053.8	+0233.0	3004	7.5	154234.5	+0256.8	3094	9.4	161634.5	+0216.0
2827	9.5	142133.9	+0202.7	2917	9.5	150100.3	+0251.0	3005	9.0	154239.9	+0210.8	3095	9.5	161731.0	+0243.6
2828	8.9	142138.0	+0205.7	2918	9.2	150101.3	+0211.1	3006	9.3	154243.5	+0222.4	3096	9.5	161742.5	+0224.1
2829	9.5	142142.2	+0229.2	2919	7.9	150135.8	+0214.2	3007	5.8	154258.8	+0238.0	3097	9.5	161744.9	+0257.3
2830	9.5	142205.2	+0222.5	2920	9.5	150147.3	+0250.0	3008	8.5	154307.4	+0215.4	3098	9.4	161802.3	+0213.7
2831	9.2	142215.3	+0235.2	2921	9.2	150336.1	+0224.9	3009							

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4159 8.8 201758.3 +0242.4
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4180 8.3 202238.7 +0254.7
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4182 9.5 202311.1 +0258.4
4183 9.4 202330.5 +0213.6
4184 9.5 202335.0 +0224.2
4185 9.5 202336.4 +0234.2
4186 9.5 202337.7 +0258.2
4187 9.4 202423.3 +0236.8
4188 9.1 202425.2 +0202.8
4189 9.5 202425.7 +0243.2
4190 9.2 202426.2 +0204.1
4191 9.2 202428.9 +0236.7

*02 4191 20h24m

+02 4192 20h24m

+02 4547 22h34m

4192 9.4 202438.9 +0235.4	4281 9.5 205211.6 +0204.2	4371 9.5 212402.4 +0208.9	4461 9.5 215401.2 +0221.8
4193 9.5 202534.2 +0231.0	4282 9.4 205233.8 +0209.4	4372 9.3 212421.9 +0239.8	4462 9.2 215407.0 +0231.0
4194 9.1 202625.0 +0259.3	4283 8.8 205234.3 +0219.0	4373 9.5 212442.1 +0240.2	4463 9.5 215440.0 +0246.0
4195 9.2 202639.9 +0257.0	4284 9.4 205241.4 +0209.6	4374 9.5 212509.9 +0232.2	4464 9.5 215545.8 +0240.0
4196 9.5 202642.7 +0200.8	4285 9.3 205335.2 +0223.2	4375 9.5 212511.6 +0224.3	4465 8.0 215547.8 +0228.6
4197 9.0 202724.7 +0200.5	4286 9.5 205403.3 +0248.6	4376 9.5 212532.4 +0200.3	4466 9.0 215622.5 +0236.3
4198 9.2 202744.2 +0242.8	4287 9.4 205505.0 +0209.5	4377 9.5 212552.4 +0238.8	4467 9.3 215737.4 +0252.8
4199 9.5 202756.6 +0228.8	4288 9.5 205507.4 +0203.1	4378 8.5 212604.4 +0238.5	4468 9.5 215751.0 +0238.0
4200 9.5 202806.6 +0247.6	4289 7.2 205525.2 +0246.9	4379 9.5 212625.0 +0707.7	4469 8.8 215915.2 +0245.4
4201 9.5 202818.7 +0208.5	4290 9.4 205529.1 +0212.7	4380 9.5 212633.6 +0237.8	4470 9.3 215945.3 +0233.3
4202 9.0 202826.5 +0219.6	4291 9.4 205530.4 +0216.8	4381 9.5 212701.9 +0235.7	4471 9.5 215955.6 +0227.9
4203 8.0 202828.7 +0248.5	4292 9.5 205531.2 +0204.5	4382 9.0 212736.1 +0242.6	4472 8.9 220016.5 +0242.5
4204 9.5 202921.7 +0246.7	4293 9.4 205613.9 +0223.9	4383 9.3 212737.4 +0230.2	4473 8.3 220135.3 +0222.7
4205 8.6 202936.2 +0232.8	4294 8.0 205621.8 +0221.8	4384 9.2 212752.7 +0255.5	4474 7.2 220147.5 +0201.4
4206 9.5 203014.9 +0213.9	4295 8.2 205651.7 +0225.7	4385 9.5 212813.9 +0241.4	4475 9.3 220309.7 +0204.7
4207 9.5 203019.4 +0232.8	4296 8.5 205723.0 +0212.7	4386 9.0 212947.4 +0215.2	4476 7.5 220456.0 +0200.9
4208 9.5 203021.5 +0216.2	4297 7.5 205723.6 +0221.5	4387 9.5 212949.9 +0255.4	4477 8.8 220542.3 +0236.6
4209 9.5 203044.4 +0200.1	4298 8.2 205726.9 +0257.9	4388 9.5 213018.9 +0225.2	4478 9.5 220605.9 +0221.3
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4215 9.0 203213.5 +0212.2	4304 9.5 210025.8 +0255.9	4394 9.3 213342.7 +0253.8	4484 9.5 220903.3 +0256.4
4216 9.1 203225.4 +0253.5	4305 9.0 210028.5 +0221.2	4395 9.5 213354.7 +0207.3	4485 9.0 220932.9 +0218.9
4217 9.5 203234.6 +0241.3	4306 9.5 210101.6 +0209.6	4396 9.5 213430.1 +0256.6	4486 9.5 220934.1 +0236.0
4218 8.7 203245.2 +0218.0	4307 9.5 210217.0 +0248.9	4397 9.5 213507.8 +0208.3	4487 9.3 221033.4 +0223.4
4219 9.5 203249.0 +0205.4	4308 9.3 210236.3 +0234.6	4398 9.3 213539.9 +0225.3	4488 9.5 221047.7 +0200.7
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4220 7.5 203301.4 +0255.6	4310 9.4 210239.2 +0229.0	4400 9.0 213638.8 +0210.5	4490 9.3 221118.0 +0255.9
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4222 9.5 203337.0 +0246.7	4312 9.2 210254.6 +0208.3	4402 9.0 213700.7 +0233.3	4492 9.3 221147.7 +0238.0
4223 9.3 203344.7 +0200.9	4313 9.5 210258.4 +0258.6	4403 9.0 213723.9 +0210.3	4493 8.7 221244.9 +0202.5
4224 9.2 203402.7 +0222.3	4314 9.5 210309.5 +0232.9	4404 7.7 213728.7 +0219.8	4494 9.0 221249.3 +0228.6
4225 9.3 203414.0 +0202.8	4315 9.2 210311.2 +0206.8	4405 9.0 213740.4 +0233.6	4495 9.5 221258.3 +0222.7
4226 9.0 203416.1 +0223.9	4316 9.5 210356.2 +0218.7	4406 9.5 213743.9 +0257.7	4496 9.0 221310.6 +0248.7
4227 9.0 203438.5 +0226.5	4317 9.5 210441.0 +0207.0	4407 9.2 213758.8 +0201.0	4497 9.0 221341.6 +0257.0
4228 9.5 203507.4 +0247.8	4318 9.5 210445.0 +0250.2	4408 9.5 213815.0 +0211.2	4498 9.0 221409.9 +0233.5
4229 9.0 203508.0 +0241.1	4319 7.5 210526.6 +0204.3	4409 9.5 213820.4 +0244.7	4499 9.0 221508.3 +0216.8
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4231 8.3 203528.7 +0228.9	4321 9.0 210536.0 +0250.0	4411 9.5 213930.0 +0255.5	4500 9.3 221521.3 +0233.5
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4234 9.5 203721.6 +0234.4	4324 8.8 210617.8 +0250.3	4414 5.6 213953.8 +0201.0	4503 9.5 221800.3 +0254.3
4235 9.2 203722.1 +0258.6	4325 9.5 210727.7 +0252.9	4415 9.5 214027.7 +0213.6	4504 9.5 221919.2 +0231.3
4236 9.5 203744.1 +0218.2	4326 9.5 210752.4 +0210.0	4416 9.5 214047.8 +0205.4	4505 9.4 221946.2 +0227.2
4237 9.2 203748.0 +0215.4	4327 9.5 210905.9 +0235.4	4417 9.0 214110.2 +0208.8	4506 9.5 221956.7 +0251.0
4238 9.5 203749.3 +0218.1	4328 9.5 210908.4 +0205.1	4418 9.2 214113.0 +0251.5	4507 9.3 222020.0 +0210.5
4239 8.5 203752.2 +0245.3	4329 9.3 210917.7 +0256.8	4419 9.5 214131.1 +0203.2	4508 9.0 222044.1 +0201.0
4240 8.5 203809.6 +0238.5	4330 9.5 210920.9 +0249.6	4420 8.7 214132.3 +0229.3	4509 9.5 222054.6 +0210.4
4241 9.5 203823.5 +0216.1	4331 9.0 211006.4 +0228.8	4421 9.3 214148.6 +0218.2	4510 9.5 222123.0 +0252.7
4242 8.5 203841.5 +0213.3	4332 8.5 211031.0 +0258.7	4422 9.5 214204.3 +0205.2	4511 9.0 222110.2 +0257.0
4243 9.5 203854.9 +0214.7	4333 8.2 211038.6 +0217.6	4423 9.0 214204.5 +0239.8	4512 9.5 222215.0 +0218.0
4244 9.5 203931.3 +0253.4	4334 9.3 211110.9 +0247.2	4424 8.8 214212.8 +0242.5	4513 9.5 222237.4 +0212.4
4245 9.1 203935.5 +0236.7	4335 9.5 211114.5 +0201.2	4425 9.0 214214.6 +0250.2	4514 9.5 222421.7 +0258.0
4246 9.5 203945.2 +0221.2	4336 9.0 211126.0 +0208.9	4426 9.3 214223.3 +0229.3	4515 9.0 222435.1 +0230.8
4247 8.5 203948.7 +0248.8	4337 9.5 211130.4 +0218.3	4427 9.5 214230.8 +0257.9	4515D 9.7 222509.0 +0202.9
4248 9.5 203953.7 +0251.9	4338 9.5 211141.4 +0237.5	4428 9.3 214241.2 +0200.7	4516 8.0 222526.0 +0216.1
4249 9.5 204015.1 +0221.8	4339 9.5 211222.4 +0259.9	4429 9.1 214245.0 +0211.7	4517 9.0 222556.4 +0246.5
4250 6.5 204030.7 +0247.4	4340 9.4 211308.7 +0230.8	4430 9.5 214302.8 +0227.9	4518 9.2 222601.0 +0236.2
4251 9.2 204041.2 +0218.2	4341 9.5 211311.7 +0252.4	4431 9.5 214329.5 +0220.3	4518a 9.7 222611.8 +0244.9
4252 9.5 204041.9 +0236.6	4342 9.5 211314.2 +0224.2	4432 9.2 214331.8 +0252.6	4519 9.5 222626.0 +0222.4
4253 7.0 204050.9 +0210.5	4343 8.0 211335.4 +0230.1	4433 8.8 214351.0 +0226.8	4520 8.8 222632.8 +0200.3
4254 8.8 204149.4 +0243.2	4344 9.0 211353.9 +0228.4	4434 9.3 214415.7 +0205.6	4521 9.0 222635.3 +0237.1
4255 9.0 204316.7 +0216.1	4345 8.0 211402.9 +0222.1	4435 8.7 214537.0 +0250.5	4522 8.5 222658.6 +0259.1
4256 9.0 204326.2 +0244.2	4346 8.5 211403.9 +0217.0	4436 9.5 214549.6 +0226.5	4523 9.5 222709.8 +0239.3
4257 9.0 204326.2 +0244.2	4347 7.7 211424.4 +0229.5	4437 9.3 214609.0 +0225.7	4524 9.2 222716.4 +0208.8
4258 9.5 204348.4 +0250.1	4348 7.2 211517.9 +0219.0	4438 9.5 214624.6 +0218.2	4525 8.8 222748.0 +0203.8
4259 9.5 204350.5 +0212.4	4349 8.8 211544.9 +0254.1	4439 9.0 214722.4 +0208.8	4526 9.3 222814.4 +0250.2
4260 8.5 204351.4 +0230.0	4350 7.7 211604.7 +0209.6	4440 9.2 214727.2 +0207.5	4527 9.5 222815.0 +0208.2
4261 8.2 204355.9 +0256.9	4351 9.5 211649.6 +0211.0	4441 8.8 214747.5 +0210.9	4528 9.2 222830.0 +0225.8
4262 9.0 204437.9 +0211.9	4352 9.3 211656.9 +0246.8	4442 9.3 214752.3 +0235.9	4529 9.5 222845.5 +0249.4
4263 8.5 204456.1 +0254.6	4353 9.5 211710.9 +0255.5	4443 9.2 214805.0 +0206.6	4530 9.2 222917.0 +0259.1
4264 8.8 204532.5 +0239.7	4354 8.8 211726.4 +0253.9	4444 9.4 214805.5 +0204.3	4531 9.5 222934.4 +0256.4
4265 9.5 204548.4 +0250.1	4355 9.3 211802.9 +0237.1	4445 9.5 214828.6 +0212.7	4532 9.0 222945.0 +0206.9
4266 9.5 204603.6 +0217.7	4356 9.5 211829.9 +0256.3	4446 9.5 214828.9 +0257.2	4533 9.2 222956.2 +0205.0
4267 7.5 204611.4 +0227.9	4357 9.5 211831.1 +0236.0	4447 8.7 214939.5 +0205.3	4534 9.5 223030.4 +0206.3
4268 9.2 204722.1 +0254.4	4358 9.0 211925.3 +0255.9	4448 9.3 214938.3 +0205.8	4535 9.0 223101.4 +0250.0
4269 8.0 204737.9 +0229.5	4359 9.5 211926.2 +0224.3	4449 9.5 215003.0 +0226.8	4536 9.5 223108.9 +0235.4
4270 9.3 204743.5 +0227.4	4360 9.5 212032.9 +0210.7	4450 9.2 215013.8 +0255.6	4537 8.8 223110.0 +0242.3
4271 9.3 204746.0 +0253.2	4361 9.5 212040.8 +0205.6	4451 9.3 215039.5 +0243.2	4538 9.5 223116.0 +0220.8
4272 9.0 204751.7 +0257.9	4362 7.3 212043.7 +0233.6	4452 9.3 215057.5 +0231.1	4539 8.7 223156.4 +0248.6
4273 9.0 204754.0 +0241.5	4363 9.5 212044.2 +0253.5	4453 8.7 215146.0 +0232.5	4540 9.3 223159.1 +0236.4
4274 9.3 204802.5 +0200.5	4364 9.0 212134.2 +0233.6	4454 9.0 215204.6 +0219.6	4541 9.4 223209.7 +0203.5
4275 8.5 204832.9 +0249.5	4365 9.3 212217.8 +0239.3	4455 9.4 215216.0 +0202.0	4542 7.8 223226.4 +0229.6
4276 9.0 204832.9 +0207.9	4366 9.0 212218.1 +0225.3	4456 9.5 215237.6 +0221.3	4543 8.3 223305.4 +0223.3
4277 9.0 204955.7 +0219.6	4367 9.0 212253.9 +0246.5	4457 8.8 215319.3 +0205.8	4544 9.3 223316.0 +0202.1
4278 9.5 205036.5 +0245.7	4368 7.8 212258.4 +0209.6	4458 9.0 215339.0 +0246.4	4545 8.7 223401.2 +0250.6
4279 9.5 205111.4 +0203.7	4369 9.5 212310.1 +0210.5	4459 9.5 215358.0 +0228.4	4546 9.5 223405.6 +0240.0
4280 9.5 205211.6 +0206.2	4370 9.2 212339.2 +0257.5	4460 9.4 215359.1 +0215.0	4547 9.5 223449.6 +0215.7

*02 4548 22h34m

*01 153 0h44m

4548 9.5 223455.0 +0247.5	4638 9.5 230710.7 +0232.3	4728 7.8 234654.2 +0252.6	64 9.3 01951.8 +0121.4
4549 9.5 223455.5 +0236.8	4639 9.5 230728.0 +0245.7	4729 9.3 234731.5 +0230.5	65 9.3 01958.5 +0110.4
4550 8.7 223508.0 +0208.5	4640 8.8 230734.1 +0204.7	4730 8.5 234755.5 +0226.4	66 9.3 02001.0 +0103.9
4551 9.5 223537.1 +0229.2	4641 9.5 230741.0 +0247.9	4731 8.0 234809.7 +0242.6	67 9.4 02007.2 +0126.4
4552 9.5 223541.0 +0225.0	4642 9.5 230751.7 +0212.0	4732 8.5 234834.0 +0244.1	68 8.8 02031.7 +0115.0
4553 9.5 223655.0 +0248.3	4643 8.8 230824.7 +0212.8	4733 9.0 234901.0 +0246.9	69 9.0 02143.8 +0152.7
4554 9.0 223747.3 +0236.1	4644 9.5 230841.5 +0225.8	4734 8.5 234920.0 +0256.1	70 9.4 02201.0 +0117.5
4555 8.0 223801.5 +0255.7	4645 9.5 230859.5 +0258.5	4735 8.2 234941.3 +0216.2	71 9.2 02216.0 +0153.3
4556 9.3 223805.2 +0228.5	4646 9.0 230902.5 +0226.2	4736 8.5 235001.0 +0212.2	72 9.5 02222.6 +0140.9
4557 8.3 223815.5 +0251.7	4647 8.8 230914.1 +0206.2	4737 9.5 235026.7 +0220.4	73 9.3 02248.7 +0104.9
4558 9.5 223900.8 +0205.9	4648 3.8 230938.3 +0229.3	4738 8.5 235057.3 +0245.2	74 9.5 02303.8 +0131.4
4559 9.5 223911.9 +0215.0	4649 8.8 230948.1 +0249.3	4739 9.3 235111.7 +0248.0	75 9.3 02343.9 +0148.9
4560 9.5 223945.8 +0204.0	4650 8.7 231124.9 +0227.5	4740 8.8 235125.7 +0222.2	76 8.8 02401.7 +0119.9
4561 9.5 223946.0 +0258.4	4651 9.5 231212.4 +0235.6	4741 9.3 235127.7 +0238.7	77 9.3 02411.8 +0128.3
4562 8.0 224006.8 +0208.1	4652 8.8 231218.9 +0218.4	4742 9.5 235257.0 +0259.7	78 9.3 02420.8 +0119.7
4563 9.3 224027.8 +0228.5	4653 9.5 231309.4 +0211.4	4743 8.8 235312.3 +0232.2	79 8.8 02424.8 +0139.5
4564 8.8 224133.6 +0245.8	4654 8.5 231419.3 +0217.0	4744 9.5 235418.3 +0249.4	80 9.5 02446.3 +0127.8
4565 9.0 224211.0 +0229.6	4655 9.3 231435.0 +0228.2	4745 9.3 235513.0 +0228.7	81 8.8 02515.9 +0121.1
4566 9.2 224216.9 +0208.6	4656 9.3 231439.8 +0248.2	4746 9.0 235532.6 +0227.4	82 9.5 02532.8 +0123.0
4567 9.5 224232.0 +0243.1	4657 9.0 231502.2 +0248.3	4747 8.5 235534.0 +0234.2	83 9.5 02549.2 +0125.5
4568 9.3 224236.0 +0235.1	4658 8.0 231522.5 +0257.9	4748 8.2 235711.9 +0207.6	84 9.5 02631.2 +0112.9
4569 8.5 224350.5 +0205.7	4659 9.5 231524.3 +0207.9	4749 9.0 235745.7 +0211.5	85 9.2 02657.2 +0139.5
4570 9.5 224351.9 +0235.0	4660 7.8 231531.0 +0201.7	4750 9.4 235750.0 +0258.4	86 9.5 02714.1 +0119.9
4571 9.3 224410.4 +0256.6	4661 9.3 231612.5 +0208.0	4751 7.7 235758.0 +0247.4	87 8.8 02720.6 +0108.5
4572 9.5 224418.0 +0226.0	4662 9.3 231614.7 +0254.4	4752 9.3 235909.3 +0216.0	88 9.3 02727.5 +0101.2
4573 6.5 224512.4 +0247.4	4663 7.7 231652.9 +0254.4	4753 9.5 235940.0 +0209.6	89 9.5 02735.8 +0141.9
4574 9.3 224524.7 +0230.7	4664 9.0 231710.3 +0255.6	4754 1 9.5 00006.3 +0120.8	90 9.1 02737.5 +0121.9
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875	9.5	45210.1	+0141.3	965	9.3	51053.6	+0159.8	1055	9.5	52556.1	+0142.8	1145	9.5	54209.7	+0126.9
876	9.5	45226.2	+0127.2	966	9.0	51057.3	+0105.8	1056	9.2	52605.7	+0135.8	1146	9.0	54240.1	+0120.1
877	9.5	45304.7	+0151.9	967	9.0	51057.5	+0156.0	1057	9.5	52610.0	+0155.5	1147	9.0	54251.7	+0143.4
878	9.5	45304.9	+0153.4	968	9.5	51127.6	+0124.9	1058	7.2	52626.7	+0118.6	1148	7.7	54259.5	+0157.8
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880	8.8	45340.9	+0156.3	970	9.4	51205.6	+0124.0	1060	9.5	52715.7	+0138.0	1150	9.5	54434.5	+0110.4
881	9.5	45350.6	+0154.7	971	9.5	51209.1	+0118.7	1061	9.0	52718.6	+0125.1	1151	5.8	54455.3	+0148.8
882	9.5	45406.7	+0121.3	972	9.3	51210.9	+0153.0	1062	9.5	52722.0	+0105.0	1152	9.5	54457.6	+0156.3
883	9.5	45414.6	+0139.6	973	9.2	51216.9	+0126.1	1063	9.5	52751.9	+0107.8	1153	9.5	54508.7	+0128.2
884	8.8	45425.4	+0151.3	974	9.4	51220.0	+0110.1	1064	8.8	52813.6	+0113.2	1154	9.5	54542.2	+0153.5
885	9.5	45429.6	+0127.5	975	9.5	51234.2	+0136.6	1065	9.2	52814.4	+0156.0	1155	8.8	54604.5	+0142.3
886	6.5	45430.2	+0123.4	976	9.5	51237.3	+0153.5	1066	9.5	52819.9	+0115.7	1156	9.5	54632.1	+0138.2
887	8.3	45454.9	+0151.7	977	9.5	51249.6	+0103.5	1067	9.0	52834.6	+0143.5	1157	9.5	54647.5	+0144.8
888	9.5	45517.7	+0101.4	978	9.5	51309.2	+0122.1	1068	9.5	52837.1	+0146.4	1158	9.5	54650.5	+0117.3
889	9.0	45521.4	+0109.2	979	9.5	51310.2	+0141.8	1069	9.5	52838.0	+0154.0	1159	9.2	54622.1	+0157.2
890	9.4	45525.1	+0128.4	980	9.5	51315.0	+0112.5	1070	9.4	52850.9	+0140.7	1160	9.5	54823.8	+0132.0
891	9.0	45546.9	+0129.4	981	9.2	51350.2	+0124.3	1071	9.5	52926.6	+0100.8	1161	9.2	54843.8	+0146.0
892	9.5	45552.2	+0134.7	982	8.9	51401.3	+0143.3	1072	9.5	52939.0	+0134.0	1162	9.5	54845.2	+0106.0
893	9.5	45717.2	+0144.8	983	9.3	51404.7	+0117.2	1073	9.5	52946.0	+0150.2	1163	9.2	54845.3	+0149.3
894	9.5	45730.8	+0145.2	984	9.5	51414.8	+0142.6	1074	9.5	52956.3	+0106.9	1164	9.5	54947.4	+0136.8
895	9.3	45807.4	+0115.3	985	9.1	51414.9	+0125.8	1075	9.5	53004.7	+0137.1	1165	9.3	54953.0	+0153.1
896	8.5	45823.4	+0139.5	986	9.2	51427.7	+0112.5	1076	8.0	53044.2	+0153.6	1166	9.2	55009.2	+0122.8
897	9.5	45830.4	+0136.6	987	9.4	51433.7	+0112.9	1077	9.3	53048.0	+0116.5	1167	9.3	55016.6	+0129.6
898	9.5	45833.4	+0150.4	988	9.5	51441.7	+0127.2	1078	9.5	53048.4	+0138.6	1168	7.2	55025.1	+0112.0
899	9.5	45837.1	+0136.6	989	9.5	51443.4	+0141.8	1079	9.4	53049.6	+0101.8	1169	9.3	55028.5	+0106.6
900	9.5	45900.4	+0127.5	990	9.5	51516.9	+0133.7	1080	9.5	53103.3	+0147.7	1170	8.2	55042.5	+0151.0
901	9.5	45918.4	+0147.8	991	8.7	51530.2	+0133.0	1081	9.5	53105.1	+0141.2	1171	6.5	55053.3	+0149.1
902	9.5	45930.6	+0130.5	992	7.8	51536.1	+0108.9	1082	9.0	53112.2	+0111.6	1172	9.5	55126.0	+0121.6
903	9.5	45946.3	+0104.2	993	9.5	51554.9	+0150.6	1083	9.5	53125.4	+0151.7	1173	9.5	55127.2	+0112.5
904	9.5	45957.6	+0121.3	994	9.5	51557.3	+0138.7	1084	9.5	53125.8	+0138.5	1174	9.5	55206.0	+0134.6
905	9.3	50011.0	+0110.2	995	9.4	51614.4	+0141.3	1085	9.5	53139.8	+0109.5	1175	9.5	55224.0	+0101.9
906	9.5	50016.6	+0155.9	996	8.2	51618.9	+0157.1	1086	9.5	53146.2	+0139.4	1176	9.5	55229.1	+0101.4
907	9.5	50016.6	+0150.5	997	9.5	51635.1	+0140.7	1087	9.5	53207.0	+0133.5	1177	9.5	55229.6	+0127.7
908	9.5	50041.3	+0124.9	998	9.4	51636.9	+0129.7	1088	7.8	53217.7	+0124.8	1178	9.5	55237.5	+0131.3
909	9.5	50041.3	+0145.4	999	9.0	51641.4	+0138.1	1089	9.3	53232.6	+0121.4	1179	9.0	55241.8	+0125.6
910	9.5	50101.1	+0125.8	1000	9.3	51649.6	+0127.7	1090	9.5	53234.3	+0108.3	1180	8.6	55249.1	+0146.9
911	9.0	50107.6	+0105.4	1001	9.5	51652.2	+0133.2	1091	9.5	53242.2	+0140.4	1181	9.5	55256.8	+0125.1
912	9.3	50117.1	+0157.3	1002	9.2	51700.3	+0143.5	1092	9.5	53250.0	+0138.0	1182	9.5	55319.3	+0104.5
913	9.3	50118.2	+0113.7	1003	9.5	51705.3	+0139.8	1093	9.1	53251.2	+0159.4	1183	9.5	55326.3	+0111.6
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915	9.5	50137.9	+0159.0	1005	5.0	51714.2	+0142.4	1095	9.5	53334.9	+0135.6	1185	9.0	55353.3	+0154.4
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919	9.5	50236.5	+0119.3	1009	8.7	51741.3	+0147.1	1099	9.0	53408.9	+0138.5	1189	9.5	55420.0	+0136.7
920	9.2	50256.9	+0126.1	1010	9.5	51807.8	+0130.0	1100	9.0	53411.3	+0141.8	1190	9.5	55422.5	+0108.5
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925	9.5	50334.2	+0129.2	1015	8.7	51916.6	+0156.2	1105	5.7	53459.9	+0124.3	1195	7.4	55446.3	+0140.8
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1502 9.5 63905.0 +0120.4
1503 9.3 63921.4 +0128.4

*01 1593 6h48m

1504 9.2 63922.9 +0140.0
1505 9.3 63929.7 +0150.4
1506 9.0 63939.9 +0140.5
1507 9.3 63940.5 +0152.6
1508 9.5 63942.6 +0101.7
1509 9.5 63952.4 +0119.3
1510 9.4 63954.0 +0105.9
1511 9.5 63956.3 +0153.9
1512 9.4 63957.0 +0104.0
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1515 9.2 64014.5 +0131.6
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1533 9.4 64153.2 +0123.5

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1537 9.3 64232.6 +0100.2
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1539 9.5 64246.4 +0123.2
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1558 9.5 64422.3 +0108.5
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1560 9.3 64427.8 +0132.6
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1567 8.7 64506.3 +0115.8
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1579 9.5 64622.2 +0141.5
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1582 9.5 64643.5 +0118.9
1583 9.5 64653.5 +0101.5

1584 9.5 64702.6 +0126.2
1585 9.5 64704.4 +0130.0
1586 9.3 64706.5 +0156.3
1587 9.2 64734.8 +0108.0
1588 9.5 64806.4 +0111.0
1589 9.5 64808.9 +0105.6
1590 9.5 64820.2 +0132.0
1591 9.5 64821.9 +0153.7
1592 9.5 64824.3 +0109.9
1593 9.3 64827.4 +0145.9

+01 1594 6h48m

+01 1951 7h48m

1594 9.5 64827.5 +0152.2	1683 9.3 65811.4 +0139.0	1772 9.1 71203.2 +0136.5	1862 9.2 73003.0 +0109.8
1595 9.3 64830.3 +0108.5	1684 9.5 65817.0 +0130.8	1773 9.5 71207.0 +0150.2	1863 9.4 73006.3 +0120.0
1596 9.3 64840.9 +0129.8	1685 9.5 65838.8 +0103.3	1774 8.7 71221.0 +0128.8	1864 9.5 73035.2 +0112.1
1597 9.1 64841.5 +0157.1	1686 9.5 65846.3 +0110.0	1775 9.5 71234.8 +0115.7	1865 9.5 73043.0 +0142.8
1598 9.5 64844.7 +0109.1	1687 9.5 65846.9 +0106.1	1776 9.5 71241.4 +0120.3	1866 9.5 73048.3 +0153.7
1599 9.3 64902.2 +0153.5	1688 9.5 65900.6 +0116.6	1777 9.3 71254.6 +0109.6	1867 9.4 73102.0 +0157.1
1600 8.0 64904.9 +0122.3	1689 9.3 65910.9 +0100.4	1778 9.0 71263.8 +0122.0	1868 9.5 73103.8 +0156.1
1601 9.2 64906.4 +0142.0	1690 9.5 65924.5 +0143.9	1779 9.5 71333.4 +0113.7	1869 9.5 73116.4 +0155.3
1602 9.0 64910.7 +0140.3	1691 9.5 65924.8 +0100.0	1780 9.0 71356.9 +0156.8	1870 9.5 73124.2 +0134.2
1603 8.6 64910.7 +0108.4	1692 9.5 65931.6 +0145.4	1781 8.5 71422.0 +0148.9	1871 9.0 73127.8 +0100.1
1604 9.0 64923.4 +0129.0	1693 9.5 65937.1 +0103.8	1782 9.0 71422.2 +0115.4	1872 8.0 73132.2 +0117.3
1605 9.5 64937.9 +0110.1	1694 9.5 65958.9 +0124.7	1783 9.5 71452.3 +0151.7	1873 8.8 73215.2 +0136.7
1606 9.5 64952.5 +0122.4	1695 9.4 70000.4 +0121.6	1784 8.8 71506.4 +0131.0	1874 9.5 73242.2 +0144.5
1607 9.5 64957.6 +0130.4	1696 9.3 70008.0 +0119.8	1785 9.5 71515.7 +0155.2	1875 9.5 73326.5 +0132.1
1608 9.4 65007.0 +0159.5	1697 9.5 70009.8 +0127.9	1786 9.5 71600.7 +0137.4	1876 9.1 73331.3 +0118.7
1609 9.5 65009.7 +0125.3	1698 9.0 70018.8 +0159.8	1787 9.3 71613.4 +0153.7	1877 8.8 73341.5 +0128.3
1610 8.2 65011.1 +0140.7	1699 9.3 70023.4 +0156.5	1788 9.3 71613.6 +0120.0	1878D 9.5 73346.8 +0159.9
1611 9.4 65023.1 +0117.6	1700 9.2 70029.3 +0107.9	1789 9.0 71641.0 +0159.6	1879 9.4 73402.5 +0129.4
1612 8.8 65029.9 +0124.2	1701 9.5 70032.8 +0158.7	1790 9.4 71643.9 +0157.0	1880 9.2 73441.8 +0106.6
1613 9.3 65057.5 +0111.9	1702 9.4 70035.2 +0115.8	1791 9.5 71648.0 +0120.9	1881 9.3 73456.1 +0114.6
1614 9.3 65057.7 +0122.0	1703 9.5 70040.8 +0129.8	1792 9.4 71652.5 +0116.9	1882 9.4 73509.1 +0101.6
1615 9.1 65108.3 +0113.2	1704 9.4 70052.4 +0105.2	1793 8.9 71657.7 +0138.5	1883 9.5 73510.3 +0130.1
1616 9.2 65128.5 +0107.5	1705 9.5 70056.1 +0112.4	1794 9.5 71658.0 +0140.6	1884 9.3 73514.7 +0108.1
1617 9.5 65130.3 +0116.7	1706 8.8 70111.5 +0113.6	1795 9.1 71658.7 +0101.1	1885 7.9 73519.4 +0156.8
1618 9.2 65132.3 +0122.4	1707 9.2 70127.3 +0127.3	1796 8.6 71722.0 +0154.2	1886 9.2 73530.6 +0100.6
1619 9.5 65154.6 +0142.9	1708 9.4 70139.3 +0110.8	1797 9.3 71732.2 +0130.0	1887 9.1 73537.6 +0102.8
1620 8.7 65159.1 +0122.1	1709 9.2 70147.1 +0122.8	1798 9.5 71744.0 +0151.9	1888 8.3 73540.7 +0122.5
1621 9.3 65159.8 +0107.9	1710 9.5 70147.6 +0149.3	1799 8.9 71750.0 +0129.9	1889 9.5 73603.3 +0152.7
1622 8.3 65202.4 +0106.6	1711 8.8 70148.2 +0155.7	1800 9.5 71808.9 +0154.9	1890 8.9 73605.6 +0108.3
1623 9.1 65204.6 +0123.5	1712 9.4 70201.6 +0145.4	1801 9.2 71815.6 +0134.5	1891 9.4 73605.6 +0125.3
1624 9.2 65205.0 +0102.7	1713 9.0 70211.2 +0135.8	1802 9.5 71816.3 +0142.6	1892 9.2 73631.8 +0140.0
1625 9.2 65205.8 +0110.2	1714 9.4 70221.9 +0130.7	1803 9.3 71818.2 +0158.5	1893 9.0 73648.3 +0126.2
1626 8.7 65209.1 +0116.0	1715 9.5 70237.9 +0134.8	1804 9.4 71830.3 +0139.6	1894 9.0 73651.3 +0116.6
1627 8.8 65213.0 +0144.4	1716 9.4 70242.9 +0126.1	1805 9.5 71830.8 +0132.3	1895 9.5 73719.4 +0118.3
1628 9.2 65219.0 +0101.3	1717 9.3 70245.8 +0115.0	1806 9.0 71851.1 +0157.4	1896 9.4 73720.5 +0108.5
1629 9.0 65221.3 +0153.3	1718 9.5 70247.8 +0157.3	1807 9.4 71858.5 +0114.6	1897 9.3 73722.5 +0151.8
1630 9.4 65226.2 +0123.9	1719 8.8 70254.7 +0152.6	1808 9.4 71917.6 +0112.0	1898 9.0 73722.5 +0131.8
1631 9.5 65228.2 +0143.3	1720 9.5 70320.0 +0115.8	1809 9.5 71931.8 +0155.1	1899 9.3 73815.3 +0144.5
1632 9.5 65228.2 +0150.1	1721 9.5 70328.9 +0153.0	1810 9.0 71933.2 +0153.4	1900 9.3 73824.7 +0111.7
1633 9.2 65235.0 +0117.7	1722 8.2 70349.7 +0152.3	1811 7.7 71948.8 +0145.0	1901 9.0 73833.3 +0147.3
1634 9.0 65250.2 +0148.4	1723 9.3 70355.7 +0155.1	1812 9.0 72016.1 +0153.4	1902 8.8 73903.0 +0124.9
1635 9.1 65257.0 +0102.7	1724 9.5 70409.5 +0143.2	1813 8.5 72034.4 +0147.8	1903 9.5 73903.8 +0120.4
1636 9.5 65306.7 +0123.0	1725 9.5 70422.5 +0156.6	1814 9.5 72038.2 +0109.6	1904 9.5 73930.3 +0143.2
1637 9.3 65312.5 +0120.7	1726 9.5 70429.3 +0127.1	1815 9.0 72040.8 +0136.7	1905 7.8 73941.5 +0116.0
1638 9.2 65313.8 +0102.8	1727 9.5 70517.6 +0131.4	1816 8.8 72047.4 +0153.9	1906 8.5 74005.0 +0110.1
1639 9.0 65314.0 +0115.7	1728 9.4 70528.9 +0105.9	1817 9.5 72106.6 +0148.6	1907 9.4 74009.3 +0145.7
1640 9.4 65322.1 +0117.3	1729 9.5 70534.7 +0107.5	1818 8.8 72114.3 +0100.9	1908 9.5 74010.0 +0140.0
1641 9.5 65329.8 +0135.4	1730 9.5 70541.6 +0109.6	1819 9.2 72120.2 +0103.7	1909 8.8 74048.0 +045.7
1641a 9.7 65334.1 +0106.3	1731 9.5 70542.3 +0159.2	1820 9.0 72121.0 +0137.8	1910 9.3 74053.5 +0134.9
1642 9.3 65342.8 +0159.9	1732 9.3 70552.7 +0129.3	1821 8.3 72136.6 +0147.8	1911 7.6 74130.0 +0101.2
1643 9.4 65359.6 +0158.9	1733 9.3 70607.9 +0158.7	1822 9.4 72153.2 +0124.4	1912 9.2 74130.5 +0132.0
1644 9.3 65408.0 +0113.0	1734 9.4 70612.2 +0120.0	1823 9.5 72218.8 +0134.0	1913 9.5 74138.8 +0157.3
1645 9.1 65418.6 +0119.1	1735 9.4 70615.4 +0101.1	1824 8.8 72229.0 +0154.2	1914 9.3 74142.8 +0156.1
1646 9.5 65418.8 +0140.2	1736 9.3 70618.7 +0113.0	1825 8.9 72246.5 +0100.1	1915 9.3 74209.8 +0156.4
1647 9.5 65426.4 +0101.9	1737 9.1 70620.1 +0145.1	1826 9.5 72252.4 +0129.5	1916 9.5 74210.8 +0121.8
1648 9.5 65426.6 +0153.3	1738 9.3 70622.5 +0133.6	1827 9.5 72256.4 +0142.7	1917 9.2 74211.5 +0106.5
1649 9.3 65440.0 +0132.0	1739 9.5 70632.5 +0145.3	1828 9.4 72315.6 +0120.3	1918 9.5 74223.8 +0125.6
1650 9.5 65442.6 +0140.1	1740 9.5 70637.7 +0143.6	1829 9.5 72402.3 +0157.3	1919 9.4 74224.4 +0109.0
1651 9.5 65443.3 +0132.9	1741 9.5 70654.0 +0133.0	1830 9.5 72411.8 +0152.0	1920 9.3 74227.4 +0157.4
1652 9.3 65454.3 +0122.9	1742 9.5 70655.8 +0158.1	1831 9.3 72415.4 +0158.7	1921 9.1 74234.2 +0109.8
1653 9.5 65531.3 +0107.3	1743 8.3 70728.7 +0153.2	1832 9.5 72415.8 +0116.5	1922 9.5 74236.2 +0118.0
1654 9.2 65533.4 +0136.0	1744 9.3 70733.3 +0137.0	1833 7.8 72419.6 +0128.5	1923 9.4 74303.7 +0150.4
1655 9.4 65549.3 +0101.5	1745 9.5 70739.8 +0157.3	1834 9.4 72432.2 +0101.2	1924 9.2 74324.2 +0108.0
1656 9.3 65602.2 +0150.4	1746 8.8 70742.0 +0116.0	1835 9.5 72444.4 +0120.3	1925 9.0 74324.8 +0121.8
1657 9.5 65607.5 +0120.0	1747 9.3 70756.1 +0102.3	1836 9.3 72458.5 +0152.1	1926 9.3 74331.3 +0127.6
1658 9.5 65611.8 +0107.9	1748 9.5 70758.9 +0135.3	1837 9.0 72503.5 +0151.8	1927 8.2 74335.0 +0102.2
1659 9.5 65613.6 +0135.9	1749 8.5 70800.8 +0102.5	1838 9.5 72510.8 +0141.7	1928 9.5 74400.2 +0121.7
1660 8.8 65615.4 +0144.6	1750 9.5 70819.3 +0105.1	1839 9.5 72512.0 +0119.7	1929 9.5 74417.7 +0135.6
1661 9.5 65631.7 +0116.6	1751 9.5 70819.5 +0145.9	1840 9.5 72515.8 +0157.8	1930 9.2 74428.5 +0117.9
1662 8.8 65644.9 +0126.4	1752 9.3 70837.4 +0141.5	1841 9.5 72538.8 +0135.9	1931 9.5 74439.8 +0156.3
1663 8.8 65645.8 +0143.3	1753 9.4 70841.4 +0138.4	1842 9.0 72543.2 +0108.3	1932 9.0 74515.4 +0157.7
1664 9.5 65647.1 +0134.7	1754 9.4 70844.5 +0109.4	1843 9.2 72551.8 +0126.6	1933 8.3 74522.2 +0111.4
1665 6.8 65649.1 +0142.3	1755 9.3 70858.8 +0157.6	1844 9.5 72606.2 +0139.7	1934 9.5 74617.7 +0140.8
1666 9.3 65649.4 +0118.5	1756 9.3 70907.3 +0111.8	1845 9.5 72607.3 +0128.0	1935 8.8 74619.5 +0118.6
1667 9.3 65659.3 +0122.5	1757 8.4 70918.1 +0114.0	1846 9.5 72628.3 +0155.5	1936 9.0 74642.3 +0127.7
1668 9.0 65702.3 +0108.1	1758 9.4 70922.5 +0143.5	1847 9.5 72630.8 +0137.3	1937 9.5 74642.8 +0154.8
1669 9.4 65704.3 +0120.6	1759 9.0 70925.7 +0155.9	1848 9.0 72640.8 +0109.4	1938 9.5 74643.8 +0157.3
1670 8.9 65708.6 +0124.0	1760 9.2 70938.4 +0105.7	1849 8.8 72644.3 +0125.6	1939 8.5 74704.4 +0156.3
1671 9.2 65714.2 +0126.0	1761 9.4 70947.0 +0118.0	1850 9.5 72645.3 +0120.4	1940 9.0 74710.0 +0134.2
1672 9.5 65719.0 +0126.1	1762 9.3 71004.6 +0125.7	1851 9.5 72651.0 +0123.3	1941 9.5 74710.7 +0132.8
1673 8.9 65722.5 +0146.6	1763 9.5 71005.7 +0127.5	1852 9.5 72719.2 +0105.9	1942 9.3 74714.4 +0115.2
1674 8.7 65724.6 +0118.7	1764 9.5 71006.6 +0125.1	1853 9.2 72727.2 +0154.2	1943 9.4 74719.2 +0114.0
1675 9.2 65727.4 +0148.5	1765 9.3 71012.3 +0125.2	1854 9.0 72743.3 +0140.0	1944 9.0 74722.0 +0111.8
1676 9.4 65730.1 +0140.4	1766 9.3 71017.4 +0156.2	1855 9.0 72807.2 +0132.2	1945 9.3 74732.5 +0111.6
1677 8.8 65734.0 +0137.3	1767 9.1 71039.5 +0130.8	1856 9.5 72833.8 +0136.7	1946 9.0 74746.5 +0145.3
1678 9.2 65739.7 +0146.1	1768 9.0 71042.2 +0148.2	1857 9.5 72851.0 +0141.5	1947 9.3 74749.7 +0128.0
1679 9.4 65749.7 +0131.3	1769 9.5 71059.0 +0135.1	1858 9.3 72901.3 +0100.9	1948 9.5 74801.3 +0103.6
1680 8.8 65752.7 +0106.8	1770 9.4 71115.8 +0131.7	1859 9.2 72910.6 +0152.4	1949 9.3 74820.7 +0132.1
1681 9.5 65800.6 +0148.4	1770a 9.5 71122.7 +0131.6	1860 9.5 72953.2 +0126.0	1950 8.8 74828.7 +0112.1
1682 8.9 65810.5 +0159.0	1771 8.5 71132.5 +0153.8	1861 9.2 73000.8 +0156.8	1951 9.5 74832.7 +0129.4

*01 1952 7h48m

*01 2310 9h20m

1952 9.5 74855.7 +0115.2	2041 9.3 80727.4 +0118.0	2151 8.0 82714.8 +0158.9	2221 9.0 85350.5 +0154.5
1953 9.0 74900.5 +0112.5	2042 9.5 80730.4 +0145.2	2152 8.8 82719.0 +0111.0	2222 9.3 85404.5 +0109.9
1954 9.3 74904.7 +0119.7	2043 9.0 80744.6 +0109.7	2153 9.5 82742.6 +0158.3	2223 9.5 85427.0 +0151.3
1955 8.5 74934.3 +0153.5	2044 9.0 80745.7 +0152.0	2154 9.3 82753.0 +0145.2	2224 9.5 85432.9 +0123.2
1956 9.4 74939.0 +0121.9	2045 9.2 80750.3 +0102.0	2155 9.0 82817.0 +0118.6	2225 9.5 85441.5 +0101.5
1957 9.3 74939.9 +0139.8	2046 9.5 80805.0 +0145.1	2156 9.5 82838.0 +0131.4	2226 9.4 85515.3 +0125.1
1958 9.5 74945.1 +0143.3	2047 9.4 80807.3 +0110.9	2157 9.3 82848.6 +0115.5	2227 9.4 85527.1 +0151.3
1959 6.5 74949.2 +0132.2	2048 9.0 80816.0 +0108.9	2158 8.8 82913.8 +0159.3	2228 9.5 85554.1 +0115.7
1960 9.5 75002.7 +0101.3	2049 9.5 80819.7 +0109.5	2159 9.0 82916.4 +0123.8	2229 9.2 85704.0 +0129.9
1961 9.4 75048.2 +0119.4	2050 9.2 80834.3 +0158.6	2160 9.0 82941.6 +0115.5	2230 7.6 85712.7 +0129.2
1962 9.5 75108.0 +0142.3	2051 9.0 80838.2 +0128.6	2161 9.0 83047.9 +0105.3	2231 8.3 85733.5 +0136.9
1963 9.4 75108.8 +0115.5	2052 9.3 80838.8 +0146.8	2162 7.3 83053.5 +0111.7	2232 9.5 85758.6 +0149.9
1964 9.5 75110.8 +0136.0	2053 9.0 80907.7 +0153.8	2163 9.4 83145.5 +0100.6	2233 9.3 85804.7 +0137.2
1965 9.3 75124.8 +0101.5	2054 9.3 80920.9 +0101.6	2164 8.8 83152.0 +0108.3	2234 9.3 85856.5 +0149.1
1966 9.5 75134.0 +0119.0	2055 8.3 80943.0 +0147.8	2165 9.3 83152.4 +0102.6	2235 9.3 85915.1 +0154.8
1967 9.4 75242.0 +0159.7	2056 7.4 81006.9 +0136.2	2166 8.5 83155.8 +0140.3	2236 9.5 85918.9 +0105.0
1968 9.5 75302.8 +0128.0	2057 9.2 81020.2 +0138.5	2167 9.0 83310.7 +0117.7	2237 7.7 85956.4 +0110.2
1968 9.6 75308.0 +0140.8	2058 9.5 81053.0 +0125.5	2168 9.5 83312.3 +0157.2	2238 9.2 90001.7 +0146.0
1969 8.7 75323.0 +0100.8	2059 9.0 81100.1 +0109.0	2169 9.4 83313.3 +0117.5	2239 9.4 90002.6 +0129.9
1970 9.3 75324.2 +0133.8	2060 8.8 81104.0 +0116.9	2150 8.0 83348.0 +0128.6	2240 9.5 90037.9 +0148.0
1971 8.7 75409.3 +0151.9	2061 9.3 81112.8 +0126.2	2151 9.5 83352.5 +0151.1	2241 9.3 90055.9 +0112.3
1972 9.0 75409.5 +0128.6	2062 9.3 81119.6 +0105.5	2152 9.5 83406.6 +0146.2	2242 9.5 90118.3 +0141.4
1973 9.5 75439.0 +0146.5	2063 8.7 81151.2 +0147.1	2153 9.5 83408.8 +0110.6	2243 9.3 90213.8 +0154.5
1974 9.5 75441.6 +0154.8	2064 9.0 81154.7 +0148.6	2154 9.5 83505.8 +0158.0	2244 9.5 90237.5 +0142.6
1975 9.5 75447.0 +0148.0	2065 9.5 81205.2 +0116.6	2155 8.5 83557.8 +0117.0	2245 9.4 90240.4 +0150.5
1976 9.5 75453.9 +0105.5	2066 9.3 81208.0 +0135.9	2156 9.5 83603.0 +0103.5	2246 9.5 90253.0 +0157.3
1977 9.0 75500.6 +0148.9	2067 9.5 81240.6 +0106.2	2157 9.3 83605.0 +0142.6	2247 8.5 90307.1 +0139.3
1978 9.0 75511.8 +0129.0	2068 9.3 81254.0 +0117.2	2158 8.8 83648.0 +0108.1	2248 9.5 90310.0 +0159.7
1979 8.7 75518.5 +0124.4	2069 9.0 81255.8 +0150.3	2159 9.3 83700.2 +0134.7	2249 9.0 90314.9 +0148.9
1980 8.8 75526.3 +0135.2	2070 8.3 81318.1 +0151.6	2160 9.5 83732.6 +0122.1	2250 9.4 90354.6 +0103.4
1981 9.5 75616.3 +0128.3	2071 8.5 81327.2 +0134.1	2161 9.0 83807.1 +0103.6	2251 9.5 90358.6 +0109.1
1982 9.5 75643.0 +0130.7	2072 9.5 81331.1 +0123.5	2162 9.0 83823.6 +0136.2	2252 9.3 90417.8 +0140.0
1983 8.0 75658.1 +0121.7	2073 9.3 81342.4 +0105.4	2163 7.3 83852.4 +0110.2	2253 9.0 90447.5 +0106.6
1984 9.5 75702.1 +0153.5	2074 7.8 81347.6 +0131.3	2164 8.8 83908.0 +0107.0	2254 9.2 90456.8 +0101.0
1985 9.3 75710.0 +0156.9	2075 9.5 81413.7 +0137.9	2165 8.5 83920.0 +0135.9	2255 9.5 90459.6 +0150.6
1986 9.5 75711.5 +0140.4	2076 9.5 81428.8 +0145.1	2166 9.4 83944.0 +0156.0	2256 9.5 90522.1 +0142.4
1987 9.5 75719.8 +0109.0	2077 9.5 81429.9 +0126.7	2167 9.3 84014.4 +0150.7	2257 9.5 90602.2 +0129.9
1988 9.5 75738.6 +0147.6	2078 8.8 81513.0 +0139.3	2168 9.5 84023.0 +0108.3	2258 9.3 90602.9 +0101.9
1989 9.0 75753.1 +0156.4	2079 8.8 81522.6 +0127.9	2169 9.5 84026.5 +0103.0	2259 8.8 90628.0 +0144.8
1990 8.7 75805.7 +0104.2	2080 9.0 81601.8 +0151.1	2170 9.0 84036.0 +0147.6	2260 9.5 90726.6 +0148.6
1991 8.5 75817.4 +0114.6	2081 9.0 81604.4 +0101.4	2171 9.4 84036.1 +0104.3	2261 8.8 90731.3 +0137.5
1992 9.0 75824.8 +0117.6	2082 9.3 81606.6 +0138.6	2172 9.5 84045.6 +0122.0	2262 9.5 90751.6 +0122.0
1993 9.3 75836.8 +0139.8	2083 9.4 81617.9 +0126.8	2173 8.0 84050.6 +0105.0	2263 8.8 90800.2 +0136.5
1994 8.3 75844.2 +0153.4	2084 9.0 81630.6 +0145.5	2174 7.9 84112.1 +0128.4	2264 9.4 90811.0 +0100.2
1995 7.9 75844.3 +0136.5	2085 9.5 81640.4 +0131.7	2175 9.5 84134.2 +0137.4	2265 9.5 90905.3 +0155.5
1996 9.5 75920.2 +0153.5	2086 9.5 81656.7 +0124.7	2176 9.0 84134.3 +0128.5	2266 8.8 90907.6 +0111.4
1997 8.8 75938.4 +0145.5	2087 8.8 81706.5 +0156.6	2177 9.5 84136.1 +0138.8	2267 6.8 90913.4 +0120.5
1998 9.5 80001.1 +0156.2	2088 9.5 81707.6 +0118.3	2178 9.3 84145.0 +0102.2	2268 9.0 90933.9 +0141.1
1999 9.0 80007.0 +0100.4	2089 9.5 81752.6 +0106.6	2179 9.4 84149.7 +0134.8	2269 9.5 90943.1 +0159.3
2000 9.3 80020.2 +0109.5	2090 8.8 81805.5 +0125.1	2180 9.3 84212.5 +0135.5	2270 9.0 90951.6 +0101.8
2001 9.5 80039.6 +0109.3	2091 9.0 81807.8 +0145.1	2181 9.5 84249.0 +0156.8	2271 7.3 91006.6 +0109.8
2002 9.5 80041.6 +0122.4	2092 9.3 81836.4 +0144.8	2182 9.4 84334.0 +0101.8	2272 9.2 91021.6 +0136.8
2003 9.2 80042.2 +0149.5	2093 9.5 81855.2 +0146.5	2183 9.2 84338.5 +0100.7	2273 9.5 91045.9 +0135.4
2004 9.0 80051.8 +0111.8	2094 9.5 81957.2 +0126.5	2184 7.0 84344.7 +0153.1	2274 8.0 91049.4 +0118.8
2005 9.5 80108.6 +0101.6	2095 8.0 82002.1 +0118.0	2185 9.5 84425.8 +0152.4	2275 9.4 91058.4 +0100.8
2006 8.0 80118.5 +0110.9	2096 9.0 82032.9 +0115.8	2186 9.2 84455.0 +0159.3	2276 9.1 91126.9 +0101.5
2007 9.3 80139.4 +0135.2	2097 8.7 82042.8 +0122.7	2187 9.3 84500.3 +0127.2	2277 8.0 91202.2 +0130.3
2008 8.0 80151.7 +0142.1	2098 9.4 82046.5 +0128.2	2188 9.5 84516.5 +0127.5	2278 9.3 91228.4 +0148.0
2009 8.8 80153.8 +0132.4	2099 9.5 82052.5 +0134.7	2189 9.2 84521.9 +0126.8	2279 9.3 91236.9 +0110.9
2010 9.0 80156.8 +0149.0	2100 9.0 82056.0 +0109.0	2190 9.3 84522.0 +0114.3	2280 9.3 91244.0 +0105.0
2011 8.7 80157.0 +0156.2	2101 9.5 82057.5 +0141.2	2191 9.0 84528.5 +0105.3	2281 9.3 91245.3 +0130.6
2012 9.4 80157.9 +0125.8	2102 7.4 82106.2 +0144.2	2192 9.0 84528.7 +0124.9	2282 8.8 91249.1 +0112.9
2013 9.5 80211.0 +0105.6	2103 9.5 82108.1 +0115.2	2193 9.5 84547.5 +0106.3	2283 8.8 91252.2 +0120.6
2014 8.0 80229.2 +0126.5	2104 9.5 82226.4 +0131.8	2194 9.3 84554.0 +0143.0	2284 9.5 91305.6 +0106.7
2015 9.4 80254.6 +0155.5	2105 9.3 82232.1 +0152.3	2195 9.5 84559.5 +0116.4	2285 8.5 91320.4 +0129.0
2016 9.5 80323.2 +0144.5	2106 9.4 82244.7 +0125.5	2196 8.8 84559.7 +0153.5	2286 9.2 91344.2 +0151.5
2017 8.0 80345.7 +0142.2	2107 9.0 82300.0 +0136.6	2197 9.0 84645.0 +0123.5	2287 9.5 91405.6 +0142.4
2018 9.0 80346.7 +0141.4	2108 9.5 82312.8 +0133.1	2198 9.0 84704.7 +0159.5	2288 9.3 91406.9 +0119.2
2019 9.0 80352.2 +0113.1	2109 8.5 82330.7 +0157.1	2199 8.5 84707.5 +0120.5	2289 9.5 91420.0 +0152.1
2020 9.4 80408.0 +0148.0	2110 9.0 82331.8 +0111.7	2200 9.4 84714.6 +0109.0	2290 9.3 91450.0 +0153.1
2021 9.3 80411.8 +0126.9	2111 8.0 82334.6 +0149.7	2201 9.5 84742.0 +0117.0	2291 9.5 91517.0 +0115.5
2022 8.7 80417.6 +0100.7	2112 9.3 82344.4 +0141.4	2202 9.5 84742.0 +0150.4	2292 9.3 91546.6 +0121.3
2023 8.7 80420.6 +0102.3	2113 9.5 82346.4 +0111.0	2203 9.3 84742.0 +0156.8	2293 8.8 91637.3 +0112.2
2024 9.5 80422.2 +0150.2	2114 8.0 82353.0 +0105.2	2204 8.0 84742.0 +0126.1	2294 8.8 91724.3 +0138.2
2025 9.5 80436.2 +0123.8	2115 8.5 82402.8 +0124.1	2205 9.3 84901.1 +0105.8	2295 9.5 91736.6 +0120.9
2026 9.5 80438.8 +0128.7	2116 8.1 82408.2 +0138.0	2206 9.3 84914.9 +0109.7	2296 9.5 91737.5 +0115.0
2027 9.0 80511.4 +0116.6	2117 9.5 82437.4 +0123.1	2207 9.5 84915.0 +0151.4	2297 9.3 91805.3 +0136.5
2028 9.5 80514.2 +0124.8	2118 8.7 82457.4 +0158.2	2208 9.0 84936.0 +0120.2	2298 9.0 91814.2 +0142.3
2029 9.0 80550.8 +0131.0	2119 9.3 82515.0 +0123.1	2209 9.3 84940.2 +0151.9	2299 8.3 91830.6 +0113.3
2030 8.8 80558.2 +0118.0	2120 8.5 82536.6 +0143.5	2210 7.5 84944.3 +0105.3	2300 8.8 91853.2 +0114.3
2031 8.3 80559.6 +0149.0	2121 9.0 82538.7 +0112.4	2211 8.5 84959.3 +0156.6	2301 9.4 91912.7 +0159.3
2032 9.5 80608.8 +0133.5	2122 9.5 82549.2 +0111.3	2212 9.5 85000.8 +0153.1	2302 8.8 91918.6 +0143.1
2033 9.4 80614.5 +0116.8	2123 8.8 82600.4 +0147.6	2213 9.5 85129.0 +0144.7	2303 9.5 91933.7 +0147.2
2034 9.5 80618.8 +0131.4	2124 9.4 82610.9 +0119.5	2214 9.5 85200.0 +0131.6	2304 9.5 91942.0 +0156.8
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2036 8.5 80624.6 +0103.5	2126 9.5 82617.2 +0104.8	2216 7.9 85205.5 +0158.3	2306 9.0 92016.3 +0134.4
2037 9.5 80626.6 +0126.9	2127 8.3 82642.0 +0138.3	2217 9.0 85213.0 +0158.2	2307 9.2 92023.8 +0158.2
2038 9.4 80634.0 +0133.9	2128 9.0 82648.2 +0121.0	2218 8.5 85229.5 +0109.5	2308 9.3 92025.6 +0114.6
2039 9.1 80654.2 +0112.7	2129 8.8 82653.7 +0115.9	2219 9.3 85229.6 +0151.7	2309 9.5 92042.7 +0121.2
2040 7.8 80708.2 +0135.5	2130 9.5 82714.6 +0122.8	2220 7.7 85337.5 +0151.2	2310 9.5 92048.4 +0157.5

+01 2311 9h21m

+01 2668 12h05m

2311 8.5 92134.0 +0142.1	2401 9.0 95938.8 +0138.1	2490 8.2 104343.2 +0132.5	2579 9.3 112459.1 +0123.6
2312 9.5 92153.3 +0112.9	2402 9.4 95943.1 +0158.3	2491 9.3 104345.1 +0127.6	2580 8.5 112557.8 +0156.1
2313 8.8 92207.8 +0152.6	2403 7.5 100006.4 +0137.3	2492 9.0 104418.6 +0151.9	2581 9.3 112626.3 +0119.8
2314 9.4 92211.6 +0148.5	2404 8.8 100024.3 +0124.3	2493 9.3 104428.9 +0100.6	2582 9.5 112708.6 +0117.0
2315 9.5 92221.2 +0152.7	2405 8.2 100057.1 +0118.8	2494 9.5 104441.7 +0115.2	2583 9.2 112726.2 +0124.2
2316 7.8 92307.7 +0154.2	2406 7.0 100113.6 +0152.2	2495 6.9 104447.0 +0147.2	2584 9.5 112756.0 +0157.9
2317 9.5 92335.6 +0134.8	2407 9.5 100119.7 +0124.8	2496 9.5 104535.6 +0147.1	2585 9.2 112811.3 +0135.9
2318 9.5 92432.7 +0151.3	2408 8.9 100136.9 +0104.6	2497 9.4 104605.8 +0144.2	2586 8.9 112821.3 +0100.5
2319 9.5 92502.6 +0133.8	2409 9.0 100231.3 +0113.4	2498 9.3 104714.8 +0112.9	2587 9.0 112832.6 +0113.3
2320 9.3 92510.9 +0119.2	2410 9.0 100323.8 +0142.5	2499 9.5 104716.4 +0117.8	2588 9.3 112844.4 +0109.3
2321 9.5 92540.6 +0120.7	2411 9.5 100355.1 +0157.3	2500 9.5 104737.7 +0115.0	2589 8.4 112856.3 +0123.6
2322 9.5 92547.7 +0156.6	2412 9.0 100500.7 +0130.8	2501 6.2 104814.6 +0129.7	2590 9.5 112913.6 +0136.4
2323 9.5 92627.0 +0105.0	2413 9.0 100505.2 +0136.2	2502 8.0 104844.0 +0112.0	2591 9.0 112922.2 +0128.5
2324 9.3 92641.2 +0122.0	2414 8.2 100602.5 +0109.1	2503 9.5 104925.2 +0149.2	2592 9.3 112955.7 +0120.1
2325 9.0 92654.5 +0102.3	2415 9.5 100615.0 +0113.9	2504 9.4 104932.0 +0104.8	2593 9.2 113058.5 +0118.1
2326 8.8 92724.9 +0150.7	2416 9.5 100632.4 +0112.0	2505 9.1 105016.7 +0103.9	2594 8.8 113151.3 +0145.8
2327 8.3 92725.9 +0118.3	2417 9.5 100643.0 +0150.9	2506 9.5 105220.0 +0151.1	2595 9.5 113159.6 +0119.1
2328 9.0 92749.2 +0110.2	2418 8.3 100733.4 +0131.8	2507 8.9 105312.3 +0109.0	2596 9.3 113207.9 +0111.5
2329 8.8 92828.9 +0154.9	2419 9.3 100751.9 +0125.6	2508 9.5 105415.9 +0122.3	2597 7.3 113258.9 +0145.3
2330 9.5 92923.3 +0148.5	2420 9.2 101040.6 +0125.4	2509 9.5 105417.4 +0126.3	2598 9.0 113304.8 +0139.4
2331 8.9 92949.4 +0122.7	2421 8.8 101122.3 +0148.7	2510 9.5 105437.7 +0133.2	2599 8.8 113401.2 +0145.1
2332 8.8 92952.9 +0136.5	2422 9.3 101248.5 +0102.5	2511 8.8 105457.1 +0137.7	2600 8.7 113415.9 +0148.3
2333 9.3 93044.2 +0146.5	2423 9.5 101308.4 +0118.2	2512 9.1 105613.7 +0101.7	2601 9.5 113437.3 +0130.3
2334 9.4 93066.2 +0135.1	2424 9.0 101343.8 +0118.7	2513 9.5 105804.5 +0111.0	2602 8.8 113441.5 +0149.3
2335 9.3 93122.0 +0134.0	2425 8.9 101437.8 +0153.6	2514 9.5 105806.8 +0117.1	2603 9.5 113525.5 +0140.8
2336 9.5 93135.9 +0143.8	2426 8.7 101459.9 +0116.8	2515 9.5 105818.7 +0120.6	2604 8.5 113551.8 +0134.0
2337 9.5 93136.3 +0108.5	2427 9.5 101513.7 +0118.5	2516 9.5 105821.8 +0116.1	2605 9.3 113642.0 +0114.6
2338 9.5 93153.3 +0139.3	2428 8.5 101517.5 +0153.6	2517 8.7 105824.3 +0123.4	2606 9.5 113658.8 +0106.8
2339 9.5 93257.0 +0157.6	2429 9.4 101518.6 +0100.9	2518 9.5 105826.1 +0114.1	2607 9.5 113701.7 +0118.9
2340 9.4 93313.5 +0115.7	2430 9.3 101546.9 +0134.0	2519 8.0 105836.1 +0159.8	2608 7.8 113741.1 +0142.1
2341 9.4 93315.6 +0111.0	2431 9.0 101612.0 +0103.9	2520 9.4 105850.1 +0132.8	2609 9.5 113832.6 +0115.6
2342 9.0 93318.3 +0119.5	2432 9.5 101649.3 +0130.0	2520a 9.7 105936.6 +0122.4	2610 9.2 113906.4 +0109.4
2343 9.3 93320.5 +0121.5	2433 9.0 101745.6 +0143.7	2521 9.5 105949.5 +0104.8	2611 9.5 114013.6 +0124.6
2344 9.3 93329.1 +0153.6	2434 8.7 101807.8 +0148.7	2522 9.5 110031.4 +0128.9	2612 9.5 114027.9 +0143.0
2345 9.1 93338.6 +0138.3	2435 9.5 101838.4 +0113.7	2523 9.5 110115.6 +0152.4	2613 9.5 114050.5 +0134.9
2346 9.2 93339.4 +0143.1	2436 9.4 101844.2 +0153.4	2524 9.3 110123.3 +0102.1	2614 9.5 114059.3 +0104.7
2347 9.5 93339.4 +0157.1	2437 9.5 101902.9 +0147.8	2525 9.5 110225.5 +0129.3	2615 9.5 114105.0 +0132.5
2348 9.1 93352.6 +0104.0	2438 9.4 101921.4 +0154.5	2526 9.5 110246.8 +0131.6	2616 9.5 114110.3 +0128.5
2349 9.1 93359.6 +0111.9	2439 9.3 101923.4 +0137.1	2527 9.5 110327.8 +0157.6	2617 8.2 114204.4 +0124.1
2350 9.1 93403.9 +0137.0	2440 8.8 101936.5 +0131.7	2528 9.2 110342.4 +0106.3	2618 9.0 114219.4 +0125.4
2351 9.4 93542.6 +0110.2	2441 9.1 101937.4 +0132.7	2529 9.2 110415.9 +0124.6	2619 9.1 114300.7 +0148.7
2352 8.3 93611.8 +0109.5	2442 9.2 101939.4 +0148.2	2530 9.0 110439.4 +0100.9	2620 9.3 114448.0 +0104.8
2353 9.5 93617.6 +0109.5	2443 9.5 101945.7 +0123.9	2531 9.3 110502.9 +0130.3	2621 9.0 114448.9 +0103.1
2354 8.9 93656.5 +0143.8	2444 9.5 102014.2 +0114.7	2532 8.4 110520.6 +0108.5	2622 9.5 114453.2 +0140.8
2355 9.4 93557.2 +0113.6	2445 9.4 102048.7 +0153.2	2533 8.5 110526.2 +0100.5	2623 8.7 114459.8 +0152.9
2356 9.4 93759.5 +0155.1	2446 8.8 102104.7 +0116.1	2534 9.1 110535.7 +0148.1	2624 6.8 114625.5 +0100.7
2357 9.5 93813.8 +0106.0	2447 9.5 102133.4 +0137.9	2535 9.3 110549.5 +0101.5	2625 9.3 114638.6 +0106.8
2358 9.5 93924.8 +0137.9	2448 9.3 102159.9 +0118.0	2536 9.0 110611.4 +0140.5	2626 9.3 114643.0 +0146.6
2359 9.5 94024.3 +0104.7	2449 9.5 102238.8 +0106.3	2537 9.1 110640.5 +0106.8	2627 9.2 114743.6 +0122.7
2360 9.5 94034.5 +0114.1	2450 9.5 102304.1 +0146.3	2538 9.2 110647.8 +0151.6	2628 7.8 114759.1 +0153.4
2361 9.5 94122.5 +0150.1	2451 9.3 102326.7 +0131.6	2539 8.3 110655.2 +0140.6	2629 9.0 114837.4 +0147.8
2362 9.1 94127.5 +0120.3	2452 9.5 102417.7 +0156.0	2540 9.0 110701.1 +0141.0	2630 9.5 114937.0 +0135.5
2363 9.0 94126.2 +0127.3	2453 9.5 102429.5 +0113.8	2541 8.3 110810.8 +0121.7	2631 8.8 114927.9 +0125.6
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3042	9.4	150455.8	+0100.4	3132	9.4	154018.4	+0108.8	3222	9.5	161640.2	+0155.2	3311	9.0	164156.0	+0126.0
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3055	9.3	150900.3	+0142.7	3145	9.5	154849.5	+0137.3	3235	9.0	161930.0	+0121.1	3324	9.4	164431.7	+0101.8
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3057	8.9	151043.3	+0120.6	3147	9.5	154943.0	+0127.0	3237	9.1	161959.0	+0141.9	3326	9.5	164453.3	+0142.3
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3060	9.4	151117.3	+0147.7	3150	9.5	155057.6	+0109.1	3240	8.3	162115.0	+0154.4	3329	9.3	164509.2	+0159.4
3061	9.3	151131.3	+0152.1	3151	7.5	155142.8	+0100.1	3241	9.2	162155.0	+0111.3	3330	9.5	164522.8	+0104.7
3062	9.4	151149.0	+0105.0	3152	9.1	155200.0	+0105.3	3242	9.5	162201.2	+0111.4	3331	9.5	164538.9	+0150.2
3063	9.5	151204.9	+0125.5	3153	9.5	155228.5	+0136.0	3243	9.5	162250.0	+0129.8	3332	8.2	164603.2	+0135.5
3064	9.4	151223.0	+0105.2	3154	7.4	155239.1	+0102.1	3244	9.3	162302.0	+0158.7	3333	9.4	164622.4	+0126.1
3065	9.5	151225.9	+0128.3	3155	9.3	155254.0	+0118.2	3245	9.0	162304.9	+0159.7	3334	9.2	164636.5	+0101.9
3066	9.5	151332.6	+0156.0	3156	9.2	155317.5	+0114.4	3246	9.3	162353.0	+0147.5	3335	8.7	164645.7	+0121.8
3067	6.1	151339.6	+0114.4	3157	9.5	155354.5	+0124.5	3247	8.0	162401.5	+0137.1	3336	9.3	164653.5	+0147.1
3068	9.5	151421.2	+0130.7	3158	9.5	155424.0	+0128.6	3248	9.5	162443.0	+0132.9	3337	9.5	164654.9	+0151.5
3069	9.5	151437.6	+0131.0	3159	9.5	155637.5	+0135.2	3249	9.5	162554.5	+0148.3	3338	9.3	164702.6	+0150.2
3070	9.5	151517.6	+0146.4	3160	7.2	155707.6	+0104.0	3250	9.5	162556.5	+0147.5	3339	9.0	164729.1	+0140.9
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3077	9.5	151859.3	+0133.6	3167	9.3	160152.1	+0114.1	3257	9.4	162652.0	+0128.1	3346	8.0	164845.0	+0139.4
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3988	9.5	191744.8	+0147.4
3989	9.2	191746.0	+0144.3
3990	9.5	191749.2	+0140.6
3991	9.5	191807.3	+0158.4
3992	9.0	191825.4	+0126.2
3993	8.6	191839.9	+0128.5
3994	8.8	191858.6	+0115.7
3995	8.2	191901.0	+0131.9
3996	9.5	191901.0	+0130.7
3997	9.4	191933.7	+0128.5
3998	9.0	191939.5	+0110.8
3999	9.5	191957.7	+0141.4
4000	9.5	192004.2	+0145.3
4001	9.1	192014.4	+0123.7
4002	9.5	192015.0	+0103.7
4003	9.5	192016.5	+0145.5
4004	7.8	192032.1	+0153.1
4005	9.3	192038.5	+0133.0
4006	9.5	192114.7	+0114.3
4007	9.5	192116.3	+0139.6
4008	9.5	192129.2	+0152.6
4009	9.5	192130.0	+0135.3
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+01 4463 21h12m

+01 4818 23h53m

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4486 9.3 212213.3 +0115.9	4575 9.5 215549.1 +0151.3	4663 9.5 224740.0 +0138.7	4753 9.4 233107.5 +0103.4
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345	9.5	15641.2	+0020.3	435	9.2	22922.1	+0027.0	525	9.5	30111.8	+0051.3	615	9.5	32835.9	+0053.1
346	9.4	15653.1	+0001.2	436	9.5	23027.4	+0059.8	526	9.2	30112.0	+0028.1	616	6.9	32922.4	+0006.9
347	9.3	15710.0	+0009.0	437	9.5	23031.7	+0024.1	527	9.5	30119.7	+0012.7	617	8.6	32930.3	+0026.2
348	9.5	15749.6	+0053.7	438	9.5	23102.1	+0020.2	528	9.5	30121.7	+0032.8	618	9.3	32932.5	+0051.7
349	9.5	15812.6	+0036.0	439	9.5	23126.1	+0054.0	529	8.6	30130.3	+0033.4	619	9.2	32936.8	+0048.6
350	8.6	15821.0	+0007.4	440	9.5	23147.0	+0023.3	530	8.9	30150.0	+0053.9	620	8.2	32945.8	+0052.2
351	9.0	15916.8	+0028.0	441	9.0	23155.6	+0012.8	531	8.1	30221.4	+0056.2	621	9.5	32953.2	+0007.6
352	8.0	15920.7	+0044.8	442	8.5	23204.9	+0043.6	532	9.2	30249.1	+0054.5	622	8.2	33010.7	+0038.9
353	9.5	15951.2	+0010.2	443	9.3	23224.5	+0013.3	533	9.3	30254.2	+0032.7	623	9.2	33017.0	+0017.1
354	9.5	15954.6	+0027.3	444	9.0	23312.8	+0033.4	534	9.2	30301.7	+0023.1	624	9.1	33023.1	+0043.5
355	9.5	20042.1	+0055.5	445	9.0	23330.4	+0018.2	535	8.8	30354.8	+0043.8	625	9.0	33023.7	+0029.8
356	8.3	20116.6	+0015.5	446	9.4	23425.1	+0053.4	536	9.3	30405.6	+0059.9	626	9.5	33023.7	+0002.1
357	9.5	20148.1	+0012.3	447	9.5	23520.3	+0050.2	537	8.9	30455.6	+0004.1	627	9.0	33028.8	+0056.5
358	8.7	20216.7	+0006.4	448	9.0	23556.5	+0040.4	538	9.5	30531.3	+0043.7	628	8.7	33049.1	+0058.2
359	9.5	20223.6	+0046.0	449	9.5	23556.7	+0019.6	539	9.5	30540.6	+0024.4	629	9.4	33056.2	+0036.5
360	9.5	20244.0	+0024.5	450	9.5	23610.5	+0036.4	540	9.5	30542.2	+0049.4	630	8.5	33130.1	+0018.7
361	9.5	20350.6	+0024.5	451	9.5	23649.8	+0028.2	541	8.4	30558.6	+0053.8	631	9.3	33136.9	+0052.2
362	8.7	20354.4	+0059.5	452	9.5	23655.0	+0022.1	542	8.2	30637.3	+0013.1	632	9.5	33140.3	+0003.9
363	9.5	20407.6	+0011.6	453	8.8	23702.7	+0053.1	543	9.3	30646.4	+0043.7	633	9.2	33147.4	+0049.1
364	9.2	20432.1	+0046.1	454	9.5	23706.8	+0042.2	544	9.5	30707.6	+0012.4	634	9.5	33236.8	+0048.9
365	9.5	20454.7	+0035.3	455	9.0	23754.9	+0051.1	545	9.3	30721.9	+0015.5	635	9.4	33250.0	+0051.4
366	9.5	20508.6	+0046.1	456	8.9	23803.0	+0056.8	546	9.5	30722.0	+0007.4	636	9.3	33251.9	+0031.1
367	9.2	20547.7	+0027.0	457	9.5	23842.1	+0056.8	547	9.5	30724.0	+0017.7	637	9.3	33254.8	+0014.5
368	9.5	20602.1	+0032.4	458	9.5	23914.9	+0031.5	548	8.8	30731.8	+0021.1	638	9.5	33258.7	+0003.5
369	7.5	20709.1	+0003.0	459	8.3	23959.9	+0027.5	549	9.5	30734.2	+0029.1	639	9.3	33350.2	+0023.1
370	7.2	20744.0	+0003.0	460	8.8	24011.4	+0004.5	550	8.8	30759.2	+0019.8	640	9.0	33407.1	+0038.8
371	9.0	20819.7	+0059.1	461	9.5	24028.7	+0018.9	551	9.2	30810.3	+0037.3	641	9.5	33412.7	+0059.3
372	9.2	20853.5	+0001.8	462	9.0	24034.4	+0024.1	552	9.5	30827.3	+0050.1	642	9.0	33413.3	+0038.8
373	8.5	20857.5	+0010.1	463	9.0	24040.3	+0041.9	553	8.7	30833.1	+0013.5	643	9.5	33427.7	+0004.4
374	9.2	20932.0	+0019.3	464	9.3	24050.7	+0003.0	554	9.5	30843.6	+0059.9	644	9.5	33449.8	+0044.1
375	9.5	20939.2	+0020.6	465	9.5	24103.0	+0055.4	555	9.5	30859.1	+0019.5	645	9.2	33555.4	+0028.6
376	9.3	20942.0	+0006.9	466	8.6	24147.9	+0004.3	556	8.8	30915.0	+0026.7	646	8.8	33600.2	+0041.5
377	9.0	20946.1	+0050.0	467	9.0	24157.0	+0046.1	557	9.4	30917.6	+0020.5	647	9.4	33745.5	+0033.3
378	9.2	21009.1	+0027.7	468	8.3	24209.0	+0048.2	558	8.6	30934.6	+0053.2	648	8.9	33749.3	+0004.3
379	8.8	21014.6	+0036.0	469	7.3	24210.9	+0019.2	559	9.3	30945.0	+0052.4	649	9.4	33801.0	+0018.0
380	9.5	21023.1	+0023.8	470	9.3	24252.7	+0025.8	560	9.5	31008.9	+0017.7	650	9.5	33802.3	+0010.6
381	9.5	21107.1	+0031.1	471	8.0	24252.4	+0021.8	561	9.5	31029.8	+0059.5	651	8.4	33818.4	+0009.8
382	9.3	21117.6	+0035.7	472	9.5	24319.3	+0008.8	562	9.5	31059.6	+0017.0	652	8.9	33834.2	+0056.5
383	9.5	21128.2	+0022.4	473	9.5	24335.7	+0017.8	563	9.5	31122.5	+0043.0	653	9.3	33920.4	+0031.2
384	9.5	21213.0	+0051.3	474	9.5	24336.7	+0015.9	564	9.3	31145.5	+0022.3	654	9.3	34012.8	+0003.7
385	8.8	21256.5	+0055.4	475	8.8	24432.5	+0041.6	565	8.3	31219.5	+0039.7	655	9.1	34105.8	+0055.9
386	9.4	21312.7	+0027.0	476	9.1	24436.7	+0013.8	566	9.3	31221.7	+0027.6	656	9.5	34131.4	+0044.9
387	9.1	21319.1	+0044.8	477	9.5	24450.1	+0040.4	567	7.6	31234.8	+0057.0	657	9.5	34150.2	+0010.8
388	9.3	21335.8	+0059.2	478	9.3	24641.4	+0041.8	568	9.3	31302.5	+0038.1	658	9.4	34158.1	+0016.7
389	9.3	21336.0	+0021.8	479	9.5	24716.2	+0019.4	569	9.3	31305.7	+0007.7	659	8.3	34204.9	+0056.2
390	9.5	21346.9	+0007.5	480	9.5	24751.5	+0011.3	570	8.0	31324.3	+0038.2	660	9.1	34239.0	+0044.5
391	8.2	21422.0	+0018.4	481	8.7	24759.0	+0046.7	571	8.3	31332.6	+0033.7	661	8.6	34248.4	+0058.5
392	9.5	21605.2	+0002.3	482	9.5	24812.5	+0054.4	572	8.4	31345.2	+0002.1	662	9.1	34301.1	+0039.6
393	9.5	21611.6	+0028.0	483	9.5	24922.7	+0005.4	573	9.5	31348.8	+0056.5	663	8.8	34320.7	+0034.3
394	9.5	21621.1	+0051.3	484	9.1	24934.1	+0054.4	574	9.0	31356.0	+0057.7	664	8.2	34342.4	+0029.9
395	8.8	21751.6	+0042.0	485	9.5	24956.5	+0022.1	575	9.3	31406.6	+0023.6	665	9.1	34351.7	+0037.6
396	8.8	21754.1	+0055.1	486	9.1	25039.7	+0047.1	576	9.3	31407.3	+0041.5	666	9.3	34354.2	+0028.0
397	9.4	21804.3	+0025.0	487	9.2	25137.2	+0047.1	577	9.5	31444.8	+0032.7	667	9.5	34443.2	+0006.3
398	9.3	21807.1	+0016.4	488	9.3	25138.5	+0056.6	578	9.0	31504.4	+0013.4	668	9.2	34446.1	+0049.2
399	9.2	21810.4	+0034.7	489	9.3	25144.2	+0003.6	579	8.3	31519.7	+0038.7	669	9.5	34514.5	+0004.6
400	9.5	21917.4	+0005.4	490	8.5	25148.8	+0039.7	580	9.3	31522.6	+0009.7	670	9.0	34517.5	+0042.4
401	9.5	21954.6	+0016.8	491	9.0	25157.3	+0005.4	581	7.2	31611.2	+0024.3	671	8.2	34605.3	+0057.2
402	9.5	21959.3	+0005.8	492	8.9	25219.5	+0003.0	582	9.0	31613.0	+0013.2	672	8.9	34634.9	+0033.6
403	9.5	22041.6	+0059.6	493	9.0	25234.7	+0018.5	583	9.5	31626.7	+0003.4	673	9.0	34641.0	+0012.3
404	8.5	22052.7	+0050.1	494	9.1	25250.2	+0050.0	584	9.5	31627.2	+0001.4	674	9.4	34642.1	+0057.4
405	9.5	22126.3	+0011.3	495	8.3	25250.6	+0024.6	585	9.3	31638.8	+0048.4	675	7.6	34653.7	+0050.5
406	9.3	22127.9	+0005.0	496	9.4	25316.7	+0040.5	586	8.5	31645.8	+0050.0	676	9.2	34713.7	+0024.8
407	9.5	22136.1	+0053.3	497	8.5	25320.4	+0025.5	587	9.0	31845.3	+0049.8	677	9.4	34751.2	+0026.6
408	8.2	22152.7	+0008.1	498	9.5	25346.2	+0009.9	588	8.8	31850.6	+0043.1	678	8.7	34840.3	+0016.2
409	9.5	22231.1	+0031.5	499	8.0	25358.3	+0034.8	589	9.5	31901.3	+0008.8	679	9.5	34933.4	+0005.3
410	9.0	22316.6	+0011.2	500	9.5	25430.4	+0009.9	590	9.3	31928.1	+0056.6	680	9.5	34957.7	+0004.0
411	9.4	22335.3	+0055.9	501	9.5	25449.1	+0038.4	591	9.5	32016.7	+0011.8	681	9.5	34959.7	+0020.8
412	9.5	22337.9	+0054.9	502	9.0	25509.0	+00.6.3	592	9.5	32023.7	+0011.0	682	9.5	35008.8	+0056.3
413	9.5	22339.0	+0005.8	503	8.0	25542.1	+0047.0	593	9.5	32038.8	+0053.1	683	9.5	35014.7	+0016.7
414	8.4	22348.5	+0052.1	504	9.3	25546.4	+0028.7	594	9.3	32109.8	+0033.3	684	8.5	35127.9	+0020.2
415	7.5	22400.6	+0028.0	505	9.5	25558.4	+0041.0	595	9.5	32215.7	+0006.0	685	8.7	35146.2	+0031.9
416	9.5	22408.6	+0039.8	506	9.0	25600.4	+0057.2	596	9.2	32229.3	+0045.1	686	9.4	35205.8	+0042.3
417	8.8	22414.7	+0005.8	507	8.7	25624.3	+0027.2	597	8.9	32232.4	+0003.1	687	8.7	35232.1	+0058.9
418	9.5	22434.6	+0030.4	508	9.5	25645.3	+0059.1	598	9.0	32235.0	+0039.8	688	9.1	35245.3	+0058.0
419	9.3	22454.7	+0022.1	509	9.5	25701.4	+0030.1	599	9.0	32246.9	+0013.3	689	9.3	35541.7	+0006.8
420	9.5	22504.1	+0043.7	510	9.3	25737.5	+0009.9	600	8.8	32247.1	+0034.9	690	9.1	35620.6	+0057.8
421	7.5	22515.2													

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1066	9.2	51904.2	+0024.2	1156	9.5	53443.4	+0005.7	1246	9.5	55321.0	+0012.4	1336	9.5	60643.0	+0042.3
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1078	8.5	52007.2	+0058.6	1168	9.0	53643.1	+0053.7	1258	9.4	55520.5	+0043.5	1348	9.3	60758.9	+0048.6
1079	9.5	52015.0	+0018.2	1169	9.5	53648.0	+0038.0	1259	9.5	55531.5	+0052.2	1349	7.8	60805.0	+0052.4
1080	9.5	52017.7	+0030.5	1170	9.2	53652.4	+0004.6	1260	9.1	55541.8	+0025.7	1350	8.9	60815.0	+0001.0
1081	9.5	52022.7	+0032.1	1171	9.1	53657.6	+0001.1	1261	9.5	55555.5	+0054.3	1351	9.4	60832.6	+0011.7
1082	8.7	52024.0	+0059.0	1172	9.4	53703.2	+0025.7	1262	9.5	55615.0	+0042.1	1352	8.4	60837.0	+0055.1
1083	9.5	52030.1	+0042.5	1173	9.5	53710.5	+0047.3	1263	9.5	55632.6	+0036.0	1353	9.0	60848.3	+0046.0
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1085	9.0	52042.9	+0039.6	1175	9.5	53743.1	+0053.0	1265	9.4	55711.2	+0057.4	1355	9.1	60900.6	+0037.2
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1087	9.5	52107.3	+0038.4	1177	20.0	53920.2	+0000.9	1267	9.2	55736.9	+0039.2	1357	9.5	60913.6	+0001.6
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1103	9.5	52337.0	+0024.6	1193	9.0	54329.0	+0017.8	1283	9.5	55922.5	+0058.7	1373	9.3	61039.1	+0039.4
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1107	9.4	52445.5	+0041.1	1197	9.5	54500.0	+0043.4	1287	9.2	55937.2	+0024.0	1377	9.5	61141.6	+0038.2
1108	8.9	52501.7	+0058.3	1198	9.5	54501.0	+0031.6	1288	8.9	55938.1	+0046.3	1378	9.3	61152.8	+0007.0
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1121	9.5	52725.4	+0004.5	1211	8.9	54730.2	+0032.7	1301	9.5	56230.0	+0012.7	1391	9.5	61329.0	+0034.3
1122	9.5	52727.9	+0052.0	1212	9.5	54745.1	+0057.4	1302	9.0	56241.3	+0043.3	1392	8.5	61333.0	+0018.2
1123	9.2	52729.5	+0000.0	1213	9.2	54751.2	+0049.9	1303	9.5	56248.6	+0042.8	1393	9.5	61339.3	+0004.5
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1127	9.5	52759.0	+0027.7	1217	9.5	54803.7	+0051.9	1307	8.7	56317.7	+0011.6	1397	9.0	61514.6	+0010.0
1128	8.8	52804.0	+0024.1	1218	7.9	54829.2	+0048.2	1308	9.5	56320.6	+0059.9	1398	9.2	61544.9	+0059.8
1129	9.1	52815.9	+0038.3	1219	9.5	54834.0	+0044.0	1309	9.5	56321.0	+0035.9	1399	9.0	61545.6	+0017.8
1130	9.4	52847.1	+0056.1	1220	9.5	54836.5	+0051.3	1310	9.4	56324.1	+0042.8	1400	8.5	61549.4	+0056.9
1131	9.0	52918.9	+0012.1	1221	9.2	54850.5	+0007.7	1311	9.5	56345.2	+0058.0	1401	9.5	61559.6	+0051.6
1132	9.3	52925.4	+0032.9	1222	9.5	54851.5	+0014.4	1312	9.5	56355.2	+0059.6	1402	9.1	61617.4	+0003.3
1133	9.3	52933.3	+0000.3	1223	9.5	54857.2	+0011.0	1313	9.5	56357.5	+0008.2	1403	8.6	61629.3	+0003.0
1134	9.5	52935.0	+0018.2	1224	9.5	54858.3	+0044.9	1314	9.5	56407.5	+0006.1	1404	9.5	61629.3	+0033.2
1135	9.5	52936.5	+0024.1	1225	9.4	54917.1	+0059.5	1315	9.5	56419.6	+0013.8	1405	9.0	61637.2	+0022.9
1136	9.5	52948.0	+0036.0	1226	9.3	54933.0	+0024.9	1316	9.5	56423.3	+0052.5	1406	9.2	61640.7	+0001.4
1137	9.5	53012.5	+0055.0	1227	8.1	54958.4	+0000.4	1317	8.5	56424.9	+0046.7	1407	8.8	61712.5	+0058.2
1138	7.9	53023.2	+0052.7	1228	9.0	55000.6	+0011.6	1318	9.5	56451.7	+0056.2	1408	9.5	61713.2	+0001.1
1139	8.8	53024.8	+0013.3												

+00 1425 6h19m

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+00 1783 6h56m

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1785	9.5	65709.8	+0002.2	1875	9.5	70841.4	+0012.9	1964	9.5	72241.7	+0025.3	2053	9.5	73535.9	+0057.0
1786	9.5	65715.9	+0053.7	1876	9.5	70851.0	+0005.4	1965	9.4	72251.2	+0012.5	2054	6.5	73539.3	+0032.3
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1788	9.5	65731.8	+0006.8	1878	9.5	70916.9	+0001.9	1967	9.5	72319.4	+0045.7	2056	9.0	73548.8	+0018.1
1789	9.5	65733.1	+0057.9	1879	9.2	70917.9	+0057.2	1968	9.1	72323.6	+0048.2	2057	9.2	73549.2	+0037.4
1790	9.5	65735.9	+0039.3	1880	9.2	70931.9	+0027.5	1969	9.0	72327.1	+0056.9	2058	9.5	73617.9	+0015.9
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1793	9.5	65803.5	+0058.8	1883	8.5	70952.9	+0054.5	1972	9.0	72332.0	+0021.7	2061	8.8	73701.7	+0028.7
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1795	9.5	65817.3	+0026.0	1884a	9.5	71005.1	+0009.0	1974	9.3	72344.6	+0059.4	2063	9.5	73727.7	+0054.5
1796	9.1	65823.2	+0012.6	1885	8.3	71009.9	+0026.7	1975	8.9	72347.5	+0003.1	2064	9.3	73731.5	+0012.7
1797	9.5	65836.7	+0029.1	1886	9.4	71010.1	+0022.4	1976	9.2	72354.7	+0023.9	2065	9.5	73737.7	+0012.8
1798	9.0	65848.4	+0031.2	1887	8.3	71014.7	+0010.6	1977	8.2	72425.2	+0045.8	2066	9.2	73830.2	+0027.1
1799	9.2	65850.0	+0042.5	1888	9.0	71016.4	+0023.5	1978	9.2	72428.7	+0040.3	2067	9.1	73841.5	+0033.3
1800	9.2	65854.9	+0001.9	1889	9.5	71028.9	+0057.2	1979	8.5	72501.7	+0047.8	2068	9.3	73851.1	+0056.7
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1802	9.4	65909.5	+0024.4	1891	8.8	71045.9	+0004.9	1981	9.4	72528.8	+0033.3	2070	9.3	73908.0	+0048.5
1803	9.1	65918.8	+0017.4	1892	8.0	71109.0	+0032.5	1982	8.8	72529.5	+0057.6	2071	9.5	73915.9	+0010.8
1804	9.4	65920.4	+0036.3	1893	9.3	71110.9	+0026.9	1983	9.4	72531.0	+0030.3	2071a	9.5	73916.4	+0004.1
1805	9.5	65948.9	+0002.5	1894	9.2	71111.3	+0018.2	1984	9.4	72531.0	+0023.0	2072	9.3	73918.7	+0041.0
1806	9.5	70003.5	+0059.5	1895	9.5	71115.3	+0005.4	1985	9.2	72533.6	+0026.5	2073	9.5	73919.5	+0012.9
1807	9.5	70024.9	+0057.0	1896	9.1	71128.9	+0056.1	1986	9.3	72533.7	+0030.8	2074	9.3	73919.7	+0009.2
1808	9.5	70034.9	+0014.0	1897	7.8	71130.4	+0020.5	1987	8.8	72536.7	+0036.6	2075	9.5	73923.7	+0009.7
1809	9.1	70035.3	+0005.1	1898	9.3	71138.9	+0043.9	1988	9.5	72545.8	+0018.5	2076	9.4	73924.1	+0023.9
1810	8.8	70040.3	+0012.2	1899	9.5	71158.0	+0016.6	1989	8.5	72547.4	+0028.6	2077	9.5	73930.1	+0026.9
1811	9.4	70043.1	+0009.2	1900	8.5	71159.9	+0021.4	1990	9.0	72600.6	+0055.1	2078	9.5	73931.0	+0022.4
1812	9.4	70050.9	+0038.9	1901	9.4	71228.3	+0026.3	1991	9.0	72600.9	+0033.4	2079	8.5	73936.6	+0022.2
1813	8.6	70054.8	+0017.1	1902	9.2	71236.3	+0011.6	1992	9.5	72613.6	+0024.7	2080	9.0	73936.9	+0022.5
1814	9.4	70058.9	+0043.6	1903	9.0	71243.0	+0013.5	1993	9.0	72620.1	+0019.5	2081	9.3	73940.4	+0022.8
1815	8.3	70106.9	+0041.1	1904	9.3	71246.0	+0019.2	1994	9.5	72633.7	+0055.9	2082	9.5	73944.5	+0027.8
1816	8.1	70107.9	+0007.0	1905	9.5	71259.6	+0023.1	1995	9.5	72637.7	+0019.2	2083	9.5	73951.8	+0016.0
1817	9.1	70117.8	+0004.6	1906	9.0	71301.6	+0025.1	1996	9.3	72706.0	+0031.4	2084	9.3	73957.2	+0012.6
1818	9.5	70118.4	+0031.9	1907	9.0	71303.9	+0007.9	1997	8.1	72711.2	+0029.4	2085	9.2	73959.9	+0006.1
1819	9.1	70118.9	+0039.4	1908	7.5	71304.0	+0039.9	1998	8.7	72724.2	+0027.4	2086	9.0	74003.7	+0040.6
1820	9.1	70125.7	+0014.1	1909	9.5	71317.2	+0036.6	1999	9.4	72746.3	+0009.5	2087	9.4	74017.3	+0051.9
1821	8.6	70133.0	+0026.3	1910	9.5	71327.3	+0044.2	2000	8.7	72749.2	+0050.1	2088	9.5	74023.7	+0010.7
1822	9.2	70136.0	+0015.9	1911	9.5	71339.7	+0005.1	2001	9.5	72756.2	+0050.5	2089	9.3	74026.6	+0008.8
1823	9.5	70147.4	+0057.0	1912	9.5	71342.8	+0016.8	2002	9.3	72759.4	+0034.6	2090	9.3	74029.6	+0028.1
1824	9.4	70148.9	+0023.6	1913	9.0	71355.5	+0011.3	2003	9.2	72759.6	+0035.1	2091	8.9	74030.6	+0049.5
1825	9.4	70154.9	+0028.0	1914	9.5	71436.5	+0027.4	2004	9.3	72807.6	+0033.1	2092	9.5	74040.2	+0048.5
1826	9.3	70210.9	+0035.2	1915	7.0	71459.3	+0058.5	2005	9.3	72813.6	+0056.2	2093	9.4	74049.1	+0034.0
1827	9.3	70221.9	+0009.5	1916	7.0	71459.3	+0024.4	2006	9.2	72814.2	+0033.8	2094	9.4	74053.7	+0026.5
1828	9.0	70231.5	+0057.6	1917	7.6	71506.6	+0000.8	2007	9.2	72822.7	+0059.6	2095	9.0	74100.1	+0012.9
1829	9.5	70246.9	+0033.8	1918	9.5	71515.5	+0013.2	2008	9.5	72829.2	+0048.8	2096	9.5	74103.6	+0048.5
1830	9.5	70254.9	+0048.5	1919	8.7	71544.1	+0003.8	2009	8.9	72842.2	+0014.8	2097	8.7	74116.2	+0025.3
1831	8.5	70255.9	+0029.6	1920	7.9	71554.8	+0049.7	2010	9.5	72844.7	+0051.0	2098	8.3	74118.2	+0038.3
1832	8.4	70305.6	+0004.5	1921	9.5	71602.8	+0059.8	2011	9.0	72846.9	+0010.4	2099	9.3	74122.2	+0012.5
1833	9.5	70316.4	+0028.7	1922	9.3	71606.5	+0028.5	2012	9.4	72847.0	+0024.9	2100	9.3	74151.4	+0012.5
1834	9.3	70316.9	+0046.7	1923	9.1	71607.5	+0029.2	2013	9.0	72853.9	+0053.0	2101	9.5	74211.5	+0011.4
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1836	9.2	70328.9	+0053.1	1925	9.1	71616.5	+0029.7	2015	9.0	72854.2	+0029.5	2103	9.5	74220.7	+0008.6
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1838	9.2	70334.6	+0030.0	1927	9.2	71618.7	+0039.8	2017	9.0	72904.7	+0011.9	2105	9.5	74239.7	+0000.7
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1842	9.2	70404.1	+0000.1	1931	9.5	71653.0	+0003.8	2021	9.4	73013.8	+0015.2	2109	8.8	74251.7	+0015.6
1843	9.3	70417.2	+0030.3	1932	9.0	71658.1	+0052.4	2022	9.2	73039.8	+0055.3	2110	8.7	74206.9	+0045.1
1844	9.5	70442.0	+0020.1	1933	9.0	71718.3	+0045.4	2023	9.4	73047.7	+0018.4	2111	9.3	74466.1	+0031.0
1845	9.5	70445.9	+0051.9	1934	8.9	71757.7	+0045.4	2024	9.5	73048.2	+0037.0	2112	9.0	74469.6	+0029.1
1846	9.1	70446.1	+0034.4	1935	9.0	71805.8	+0031.1	2025	9.3	73057.8	+0014.4	2113	9.5	74500.4	+0011.4
1847	8.5	70452.9	+0042.2	1936	9.3	71812.0	+0018.8	2026	7.3	73103.1	+0050.4	2114	9.3	74545.2	+0067.7
1848	8.6	70504.9	+0049.2	1937	9.5	71812.0	+0014.8	2027	9.5	73114.9	+0006.6	2115	8.8	74549.7	+0013.2
1849	9.2	70516.9	+0046.1	1938	9.5	71812.0	+0014.8	2028	9.5	73123.7	+0018.9	2116	8.9	74605.7	+0009.9
1850	9.3	70520.1	+0052.8	1939	9.5	71819.5	+0052.8	2029	7.7	73132.7	+0003.9	2117	9.3	74610.2	+0030.1
1851	8.7	70525.9	+0057.2	1940	8.7	71833.2	+0036.6	2030	8.3	73149.2	+0026.4	2118	9.3	74620.7	+0057.0
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1853	8.5	70543.9	+0028.0	1942	9.2	71909.2	+0032.0	2032	9.5	73211.7	+0040.2	2120	9.3	74626.3	+0059.5
1854	9.2	70553.9	+0047.5	1943	9.3	71924.5	+0054.7	2033	9.5	73223.7	+0029.1	2121	9.0	74643.4	+0015.8
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1856	9.0	70625.9	+0006.1	1945	9.4	71936.8	+0048.6	2035	9.5	73227.1	+0043.9	2123	9.5	74701.6	+0028.1
1857	9.3	70629.4	+0018.9	1946	9.1	71939.3	+0024.5	2036	9.5	73235.6	+0039.6	2124	9.5	74704.9	+0038.0
1858	9.2	70636.9	+0018.3	1947	8.8	71955.5	+0007.5	2037	9.5	73238.3	+0056.4	21			

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3951 9.2 182303.8 +0037.2	4041 9.5 184434.0 +0019.1	4131 9.5 190438.4 +0040.2	4220 9.5 192202.1 +0057.8
3952 8.5 182312.2 +0047.6	4042 9.2 184444.3 +0042.6	4132 9.5 190441.0 +0005.8	4221 9.5 192203.0 +0013.9
3953 8.7 182331.2 +0020.3	4043 9.5 184452.5 +0047.6	4133 8.9 190442.5 +0040.6	4222 9.5 192215.3 +0024.2
3954 9.5 182353.0 +0015.1	4044 9.5 184453.9 +0029.8	4134 9.4 190451.1 +0057.5	4223 9.3 192219.0 +0059.5
3955 9.5 182428.2 +0006.7	4045 7.8 184460.5 +0041.7	4135 9.5 190503.2 +0005.2	4224 9.4 192231.3 +0005.1
3956 9.5 182431.9 +0045.5	4046 9.5 184463.7 +0049.3	4136 9.5 190536.4 +0014.3	4225 9.5 192234.2 +0012.9
3957 9.5 182501.0 +0008.4	4047 9.5 184451.3 +0018.9	4137 9.5 190536.6 +0026.6	4226 9.1 192242.5 +0046.2
3958 9.5 182505.7 +0040.8	4048 9.5 184709.4 +0041.7	4138 9.5 190541.9 +0022.6	4227 9.5 192243.3 +0015.0
3959 9.1 182509.1 +0030.4	4049 9.3 184726.0 +0030.7	4139 9.3 190551.2 +0018.8	4228 9.0 192243.4 +0056.8
3960 8.7 182516.9 +0028.9	4050 9.5 184730.7 +0041.4	4140 9.5 190604.6 +0040.0	4229 9.4 192251.3 +0002.1
3961 9.3 182531.3 +0030.0	4051 7.6 184752.9 +0057.0	4141 9.5 190607.6 +0037.5	4230 9.5 192251.4 +0010.8
3962 9.5 182540.8 +0019.0	4052 9.2 184752.2 +0027.8	4142 9.5 190623.5 +0034.0	4231 9.3 192253.0 +0044.6
3963 9.5 182609.9 +0037.7	4053 9.3 184808.2 +0037.5	4143 9.5 190627.4 +0046.4	4232 9.3 192313.7 +0033.9
3964 9.4 182628.4 +0005.7	4054 8.9 184822.2 +0009.4	4144 9.5 190630.4 +0014.6	4233 9.4 192316.6 +0048.1
3965 9.3 182638.8 +0005.5	4055 7.4 184823.0 +0005.1	4145 9.5 190630.9 +0014.9	4234 9.5 192327.6 +0044.7
3966 9.5 182642.1 +0028.0	4056 9.5 184856.3 +0025.2	4146 9.3 190653.8 +0028.0	4235 9.5 192356.8 +0046.1
3967 9.5 182648.3 +0050.2	4057 9.5 184900.1 +0057.2	4147 9.2 190656.0 +0003.0	4236 9.0 192425.7 +0013.5
3968 9.5 182659.8 +0000.6	4058 9.5 184901.4 +0015.1	4148 9.3 190656.7 +0000.8	4237 9.5 192453.8 +0036.9
3969 9.5 182726.2 +0019.6	4059 8.5 184904.5 +0047.3	4149 9.1 190703.0 +0038.5	4238 9.2 192457.7 +0057.7
3970 9.5 182728.8 +0012.9	4060 9.3 184923.0 +0001.7	4150 9.5 190740.1 +0021.0	4239 9.5 192505.7 +0057.6
3971 9.1 182737.3 +0034.3	4061 8.8 184925.8 +0023.5	4151 9.3 190749.9 +0046.9	4240 9.5 192510.0 +0029.0
3972 9.5 182819.2 +0000.4	4062 9.5 184951.2 +0000.6	4152 9.5 190757.7 +0034.7	4241 9.2 192512.0 +0016.7
3973 9.4 182901.2 +0001.5	4063 9.1 185008.8 +0023.6	4153 9.5 190828.0 +0025.5	4242 9.2 192556.3 +0004.8
3974 9.5 182931.7 +0013.5	4064 9.2 185009.1 +0015.4	4154 9.5 190900.4 +0014.5	4243 8.9 192557.2 +0007.5
3975 6.8 182947.4 +0050.1	4065 9.3 185030.1 +0056.1	4155 9.5 190908.5 +0020.7	4244 9.5 192612.0 +0010.0
3976 9.1 182957.1 +0003.1	4066 9.3 185035.4 +0030.0	4156 9.5 190909.5 +0030.8	4245 9.5 192649.1 +0012.2
3977 9.5 183007.5 +0008.1	4067 9.5 185038.3 +0012.8	4157 9.5 190929.3 +0045.2	4246 9.4 192653.1 +0006.7
3978 8.9 183012.2 +0043.1	4068 9.5 185056.0 +0050.4	4158 7.8 190943.2 +0029.4	4247 9.3 192653.9 +0011.0
3979 8.9 183033.1 +0046.7	4069 9.5 185101.3 +0041.3	4159 7.5 190946.9 +0014.7	4248 8.3 192655.8 +0002.4
3980 9.5 183040.7 +0047.5	4070 9.5 185108.1 +0036.6	4159 8.2 190952.5 +0048.6	4249 9.1 192729.2 +0056.6
3981 9.1 183042.5 +0058.1	4071 9.5 185114.2 +0004.4	4160 9.0 191002.5 +0059.6	4250 9.5 192731.3 +0037.0
3982 8.4 183047.2 +0016.3	4072 9.5 185145.4 +0015.4	4161 9.5 191011.5 +0009.1	4251 8.9 192734.8 +0019.1
3983 9.5 183106.1 +0036.3	4073 9.3 185159.7 +0043.1	4162 9.4 191016.0 +0056.4	4252 9.5 192752.9 +0013.7
3984 8.7 183114.7 +0056.1	4074 9.5 185206.5 +0024.2	4163 9.5 191018.0 +0016.7	4253 9.5 192825.8 +0019.1
3985 9.0 183156.1 +0012.8	4075 9.5 185247.8 +0042.7	4164 9.1 191022.3 +0021.6	4254 8.6 192840.9 +0020.2
3986 9.5 183159.3 +0010.6	4076 9.4 185252.7 +0038.1	4165 9.3 191057.1 +0029.3	4255 9.5 192902.8 +0023.3
3987 9.5 183159.8 +0031.7	4077 9.0 185314.5 +0050.8	4166 7.0 191106.7 +0010.2	4256 9.5 192914.0 +0000.3
3988 9.5 183202.0 +0032.9	4078 9.5 185321.9 +0011.7	4167 9.3 191107.7 +0029.4	4257 9.5 192923.8 +0011.2
3989 8.2 183214.9 +0001.4	4079 9.4 185347.4 +0026.5	4168 5.0 191110.2 +0049.8	4258 9.5 192938.2 +0030.7
3990 9.5 183318.1 +0029.5	4080 9.5 185403.0 +0025.4	4169 9.3 191113.1 +0013.3	4259 9.1 192940.3 +0018.7
3991 8.2 183323.2 +0054.5	4081 9.5 185419.3 +0016.3	4170 9.0 191126.0 +0004.9	4260 9.5 193017.6 +0006.5
3992 9.3 183403.0 +0007.2	4082 8.7 185435.9 +0028.6	4171 9.5 191128.9 +0028.8	4261 9.5 193024.9 +0055.9
3993 7.8 183403.0 +0026.1	4083 9.5 185442.4 +0010.6	4172 9.0 191135.7 +0043.6	4262 9.5 193028.6 +0006.7
3994 9.5 183425.2 +0015.3	4084 9.5 185456.6 +0036.2	4173 8.8 191136.4 +0015.2	4263 9.5 193034.5 +0033.2
3995 8.7 183451.8 +0001.1	4085 9.3 185514.5 +0015.0	4174 9.5 191234.0 +0025.9	4264 9.3 193036.5 +0027.6
3996 9.2 183501.4 +0032.2	4086 9.5 185515.8 +0049.3	4175 9.0 191256.2 +0040.1	4265 7.0 193057.0 +0001.4
3997 9.5 183501.6 +0045.3	4087 9.2 185524.4 +0018.4	4176 9.4 191256.6 +0017.0	4266 8.3 193123.6 +0016.9
3998 9.4 183525.5 +0031.6	4088 7.5 185555.8 +0022.3	4177 8.9 191303.8 +0057.4	4267 9.5 193146.4 +0013.0
3999 9.5 183527.6 +0040.1	4089 9.1 185608.7 +0005.8	4178 8.8 191310.8 +0023.4	4268 9.5 193149.9 +0015.9
4000 9.3 183530.3 +0051.9	4090 9.1 185611.4 +0032.8	4179 9.4 191322.5 +0031.7	4269 9.5 193315.7 +0029.5
4001 9.4 183534.7 +0026.8	4091 9.4 185635.7 +0003.8	4180 7.8 191332.7 +0038.5	4270 8.0 193333.9 +0022.2
4002 9.5 183607.0 +0028.1	4092 9.5 185638.1 +0036.0	4181 9.5 191356.4 +0043.3	4271 9.5 193356.8 +0011.8
4003 9.5 183622.6 +0024.1	4093 9.5 185653.0 +0058.0	4182 7.7 191411.3 +0010.4	4272 9.5 193417.7 +0059.4
4004 9.5 183658.8 +0045.1	4094 9.5 185655.2 +0005.0	4183 9.5 191432.0 +0053.3	4273 9.4 193419.2 +0016.7
4005 8.4 183709.0 +0000.9	4095 9.5 185712.0 +0018.8	4184 9.5 191432.3 +0021.5	4274 9.1 193423.8 +0004.4
4006 9.1 183717.1 +0035.0	4096 8.7 185730.9 +0001.3	4185 9.5 191454.3 +0029.5	4275 8.7 193436.8 +0051.0
4007 9.5 183747.4 +0039.5	4097 9.5 185753.8 +0038.6	4186 7.5 191455.0 +0006.7	4276 8.9 193438.5 +0042.7
4008 9.5 183749.3 +0000.3	4098 9.5 185755.0 +0021.9	4187 9.0 191458.2 +0020.5	4277 9.5 193438.5 +0019.6
4009 9.3 183800.8 +0001.0	4099 9.3 185805.9 +0000.4	4188 9.1 191507.6 +0044.6	4278 8.3 193443.6 +0008.5
4010 9.5 183811.5 +0027.9	4100 9.5 185807.3 +0010.6	4189 8.8 191507.7 +0025.8	4279 9.4 193450.2 +0009.4
4011 9.5 183840.0 +0017.9	4101 9.5 185850.0 +0062.8	4190 9.5 191531.5 +0043.3	4280 9.5 193451.0 +0013.7
4012 9.5 183840.8 +0036.8	4102 9.5 185920.1 +0052.4	4191 9.5 191541.7 +0044.6	4281 9.5 193509.0 +0017.0
4013 9.3 183848.9 +0009.7	4103 9.3 185928.8 +0020.3	4192 9.5 191554.5 +0009.7	4282 9.4 193526.5 +0047.5
4014 9.7 183951.3 +0019.3	4104 9.5 185935.6 +0034.5	4193 9.4 191605.2 +0059.3	4283 8.8 193530.6 +0054.4
4015 9.2 183953.2 +0046.0	4105 9.4 185939.0 +0007.0	4194 9.3 191624.1 +0025.2	4284 9.3 193531.5 +0054.5
4016 9.5 183954.4 +0012.9	4106 7.0 185946.0 +0025.9	4195 9.3 191635.1 +0003.3	4285 9.5 193534.3 +0049.5
4017 9.7 183902.5 +0041.8	4107 9.5 185950.8 +0041.0	4196 9.5 191709.5 +0043.7	4286 9.2 193541.0 +0055.3
4018 8.9 183906.9 +0043.2	4108 9.5 185951.8 +0043.2	4197 9.5 191734.0 +0004.8	4287 9.3 193546.0 +0056.2
4019 9.5 183958.2 +0006.0	4109 9.4 185952.9 +0049.9	4198 9.5 191735.4 +0046.0	4288 9.3 193550.4 +0057.0
4020 9.5 184003.4 +0026.3	4110 9.4 190024.4 +0057.0	4199 9.5 191756.2 +0014.0	4289 9.4 193552.0 +0039.7
4021 9.4 184044.7 +0058.7	4111 9.3 190027.4 +0047.3	4200 9.3 191821.9 +0017.0	4290 8.1 193606.3 +0020.5
4022 9.3 184116.5 +0029.7	4112 9.2 190043.6 +0002.7	4201 9.5 191829.4 +0059.9	4291 9.0 193628.9 +0028.6
4023 8.5 184117.3 +0022.0	4113 9.5 190124.5 +0006.0	4202 9.2 191828.6 +0011.6	4292 8.3 193630.8 +0051.1
4024 9.3 184135.2 +0003.5	4114 9.5 190127.1 +0050.9	4203 9.4 191849.5 +0038.1	4293 9.3 193632.1 +0002.8
4025 9.4 184136.8 +0051.0	4115 9.5 190127.4 +0040.7	4204 9.2 191853.7 +0004.2	4294 9.5 193700.1 +0016.7
4026 8.5 184137.1 +0008.5	4116 9.5 190155.2 +0047.1	4205 9.5 191904.0 +0015.2	4295 9.5 193705.0 +0015.3

+00 4296 19h37m

+00 4653 20h56m

4296 9.5 193707.6 +0003.8	4386 8.8 195407.2 +0015.9	4475 7.5 201113.3 +0011.2	4565 8.8 203240.2 +0048.3
4297 9.5 193712.8 +0021.0	4387 9.3 195422.1 +0049.4	4476 9.0 201115.8 +0017.1	4566 8.8 203253.4 +0010.1
4298 9.1 193715.2 +0007.8	4388 9.5 195425.3 +0010.2	4477 8.9 201133.8 +0008.5	4567 9.4 203308.2 +0027.6
4299 9.5 193737.7 +0035.3	4389 8.9 195426.3 +0046.2	4478 9.3 201214.6 +0014.6	4568 9.2 203321.3 +0016.0
4300 9.5 193733.8 +0029.3	4390 8.8 195445.1 +0045.9	4479 8.5 201215.1 +0025.6	4569 8.5 203322.8 +0026.6
4301 8.7 193736.2 +0053.3	4391 9.5 195457.8 +0015.9	4480 9.3 201243.6 +0041.5	4570 9.4 203400.4 +0034.4
4302 8.3 193740.9 +0024.9	4392 9.5 195506.0 +0006.4	4481 9.2 201247.9 +0011.6	4571 9.3 203402.4 +0032.2
4303 9.5 193759.5 +0023.8	4393 9.3 195509.5 +0032.3	4482 8.1 201249.8 +0017.2	4572 9.4 203427.8 +0043.9
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4307 9.5 193941.4 +0047.0	4397 9.5 195527.1 +0021.7	4486 9.2 201401.2 +0024.2	4576 9.3 203550.5 +0014.3
4308 9.5 193952.2 +0051.8	4398 9.5 195536.7 +0021.7	4487 8.4 201406.4 +0006.4	4577 9.4 203636.7 +0010.9
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4310 9.5 194002.1 +0007.1	4400 8.8 195612.6 +0057.6	4489 9.2 201503.0 +0031.5	4579 9.2 203647.8 +0024.0
4311 9.5 194005.7 +0041.2	4401 9.0 195620.0 +0051.8	4490 9.3 201609.1 +0010.1	4580 9.2 203745.2 +0016.7
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4313 9.5 194011.4 +0000.6	4403 8.8 195623.2 +0028.2	4492 9.3 201630.4 +0008.6	4582 9.3 203755.3 +0008.5
4314 7.0 194011.6 +0044.8	4404 9.5 195638.1 +0021.0	4493 9.4 201651.1 +0009.6	4583 9.5 203758.1 +0031.9
4315 9.5 194016.5 +0043.9	4405 9.4 195649.6 +0021.5	4494 9.5 201707.2 +0008.7	4584 9.3 203850.0 +0027.3
4316 9.5 194036.3 +0022.4	4406 9.5 195708.7 +0028.8	4495 6.5 201715.2 +0036.1	4585 9.2 203901.4 +0009.7
4317 9.1 194043.2 +0033.8	4407 9.1 195718.5 +0009.7	4496 6.9 201719.6 +0054.2	4586 9.4 203901.7 +0042.9
4318 9.5 194100.0 +0001.1	4408 7.6 195724.3 +0045.0	4497 9.4 201822.8 +0029.4	4587 9.5 204029.2 +0004.3
4319 9.5 194107.1 +0015.4	4409 9.5 195730.9 +0049.0	4498 9.5 201824.3 +0001.8	4588 8.0 204114.1 +0043.4
4320 8.9 194141.7 +0058.1	4410 9.5 195748.8 +0027.8	4499 9.5 201826.2 +0030.1	4589 8.0 204120.6 +0059.6
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4322 9.4 194158.0 +0002.5	4412 9.5 195803.9 +0049.0	4501 9.5 201842.3 +0036.5	4591 9.5 204140.6 +0038.2
4323 9.4 194231.7 +0007.6	4413 9.5 195838.7 +0048.9	4502 9.3 201845.2 +0010.5	4591a 9.5 204223.3 +0043.9
4324 9.2 194232.7 +0019.8	4414 9.3 195913.5 +0039.2	4503 9.3 201854.4 +0054.3	4592 9.5 204258.6 +0058.6
4325 9.2 194238.6 +0006.3	4415 9.5 195917.1 +0013.0	4504 9.0 201919.2 +0034.9	4593 9.5 204327.7 +0034.6
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4342 9.5 194626.5 +0056.8	4432 9.5 200145.0 +0058.4	4521 9.1 202322.7 +0037.3	4610 9.5 204708.0 +0007.1
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4347 9.5 194743.5 +0030.5	4437 9.0 200333.5 +0012.4	4526 9.2 202440.9 +0054.4	4615 9.5 204904.2 +0046.1
4348 9.5 194746.0 +0038.4	4438 9.4 200343.6 +0010.0	4527 9.1 202451.8 +0008.6	4616 9.5 204906.0 +0037.9
4349 9.5 194758.5 +0044.7	4439 8.0 200346.3 +0007.3	4528 9.5 202453.6 +0044.3	4617 8.8 204915.7 +0015.6
4350 9.5 194759.2 +0016.3	4440 8.4 200407.1 +0039.1	4529 9.3 202459.8 +0003.0	4618 9.3 204923.5 +0029.5
4351 8.6 194807.2 +0012.6	4441 9.3 200407.4 +0059.8	4530 9.0 202500.6 +0029.7	4619 9.0 204955.9 +0051.5
4352 9.5 194821.1 +0050.2	4442 9.5 200459.7 +0056.3	4531 8.8 202536.0 +0007.2	4620 8.7 205005.1 +0003.2
4353 9.5 194828.3 +0020.9	4443 6.9 200512.5 +0026.3	4532 9.3 202601.4 +0029.2	4621 9.5 205015.0 +0042.1
4354 9.2 194854.4 +0003.1	4444 8.8 200551.7 +0035.1	4533 9.1 202615.1 +0015.2	4622 9.5 205033.0 +0044.3
4355 9.3 194856.0 +0040.5	4445 9.4 200603.2 +0037.0	4534 9.5 202626.2 +0020.2	4623 9.5 205053.1 +0048.2
4356 9.2 194903.5 +0036.6	4446 9.1 200612.2 +0054.1	4535 9.3 202649.0 +0047.5	4624 9.3 205100.8 +0044.7
4357 9.5 194907.4 +0058.8	4447 8.3 200650.6 +0017.7	4536 9.5 202724.7 +0051.9	4625 8.8 205153.4 +0013.3
4358 9.5 194907.4 +0036.3	4448 9.5 200653.0 +0052.1	4537 9.5 202727.6 +0011.0	4626 9.2 205154.5 +0007.5
4359 9.3 194908.0 +0026.3	4449 9.1 200701.3 +0028.9	4538 8.5 202731.4 +0009.9	4627 9.5 205200.6 +0041.1
4360 9.5 194909.0 +0014.4	4450 9.3 200746.6 +0029.4	4539 9.2 202746.4 +0051.2	4628 8.7 205205.1 +0033.1
4361 9.2 194912.2 +0059.9	4451 8.8 200806.7 +0004.3	4540 9.1 202808.0 +0014.1	4629 9.5 205209.6 +0017.2
4362 8.7 194921.0 +0006.1	4452 8.8 200812.8 +0040.9	4541 9.3 202813.5 +0014.5	4630 9.3 205218.9 +0016.2
4363 9.5 194956.1 +0010.2	4453 9.5 200829.6 +0032.8	4542 9.5 202842.7 +0030.6	4631 9.4 205219.1 +0028.0
4364 9.5 195011.0 +0039.3	4454 9.3 200834.4 +0040.5	4543 9.3 202905.4 +0043.2	4632 9.5 205220.5 +0013.9
4365 9.3 195011.6 +0028.1	4455 9.2 200846.4 +0006.3	4544 9.0 202907.1 +0013.4	4633 9.0 205322.1 +0033.1
4366 9.5 195023.1 +0000.5	4456 8.5 200855.9 +0023.6	4545 8.5 202930.7 +0026.7	4634 7.9 205341.1 +0029.3
4367 8.8 195036.5 +0007.4	4457 9.4 200907.8 +0004.4	4546 9.1 202931.8 +0049.9	4635 9.3 205345.0 +0029.9
4368 9.0 195102.9 +0022.8	4458 9.0 200912.1 +0029.3	4547 9.3 202942.3 +0050.8	4636 8.0 205359.8 +0030.7
4369 9.2 195112.2 +0043.3	4459 9.5 200918.4 +0054.2	4548 9.5 202946.6 +0044.1	4637 8.5 205411.6 +0057.1
4370 9.1 195125.9 +0008.3	4460 8.8 200921.4 +0044.1	4549 9.3 203019.5 +0034.8	4638 9.5 205434.4 +0045.3
4371 9.3 195130.8 +0019.2	4461 9.2 200939.0 +0002.8	4550 9.3 203029.1 +0053.7	4639 8.6 205507.0 +0004.1
4372 9.1 195131.9 +0030.5	4462 9.4 200939.4 +0018.7	4551 9.4 203035.2 +0041.8	4640 9.5 205518.2 +0042.6
4373 9.3 195132.3 +0043.2	4463 9.5 200946.4 +0014.8	4552 9.0 203047.2 +0025.6	4641 9.5 205522.5 +0008.3
4374 9.1 195141.1 +0016.9	4464 8.5 200955.5 +0052.2	4553 8.3 203053.1 +0030.6	4642 8.7 205528.1 +0048.6
4375 6.7 195200.8 +0059.5	4465 9.5 201007.4 +0010.8	4554 9.5 203106.9 +0053.3	4643 7.7 205542.8 +0058.0
4376 9.5 195214.2 +0024.6	4466 9.5 201011.2 +0030.9	4555 9.4 203117.5 +0050.4	4644 9.5 205547.0 +0044.5
4377 9.5 195215.9 +0010.2	4467 9.4 201031.5 +0029.8	4556 7.9 203139.6 +0041.6	4645 9.5 205551.4 +0036.6
4378 9.5 195219.6 +0028.3	4468 9.5 201040.0 +0038.3	4557 9.4 203208.8 +0041.2	4646 9.5 205608.1 +0045.0
4379 8.6 195232.2 +0015.6	4469 9.5 201058.5 +0036.6	4558 8.8 203222.3 +0032.9	4647 9.5 205629.6 +0024.8
4380 9.5 195248.6 +0039.4	4470 9.5 201109.0 +0017.1	4559 9.0 203230.5 +0033.5	4648 9.2 205630.1 +0032.1
4381 9.0 195300.2 +0039.5	4471 9.5 200939.0 +0002.8	4560 9.4 203035.2 +0041.8	
4382 8.5 195315.7 +0057.9	4472 9.5 200946.4 +0014.8	4561 9.0 203047.2 +0025.6	
4383 9.5 195329.9 +0004.0	4473 8.5 200955.5 +0052.2	4562 8.3 203053.1 +0030.6	
4384 9.1 195351.0 +0032.2	4474 9.5 201007.4 +0010.8	4563 9.5 203106.9 +0053.3	
4385 8.6 195351.0 +0056.3	4475 9.4 201011.2 +0030.9	4564 9.4 203117.5 +0050.4	

4654	9.5	205630.7	+0002.5	4743	8.8	212507.0	+0022.3	4833	9.5	220326.7	+0011.4	4921	7.8	223800.9	+0059.6
4655	9.5	205709.2	+0021.1	4744	9.5	212532.0	+0022.3	4834	9.5	220351.9	+0038.2	4922	9.3	223855.4	+0053.9
4656	9.4	205711.8	+0030.6	4745	9.3	212539.2	+0010.5	4835	9.5	220447.5	+0009.4	4923	8.7	223959.4	+0023.0
4657	8.3	205755.3	+0008.8	4746	8.3	212557.2	+0027.2	4836	8.3	220520.4	+0028.4	4924	8.8	224032.8	+0022.7
4658	8.7	205826.3	+0005.0	4747	9.0	212615.0	+0057.6	4837	8.1	220625.4	+0009.5	4925	8.8	224036.7	+0006.3
4659	9.5	205851.0	+0014.6	4748	9.0	212640.2	+0043.1	4838	8.2	220626.2	+0053.5	4926	8.5	224041.2	+0034.9
4660	9.0	205924.6	+0022.0	4749	9.5	212718.0	+0005.2	4839	9.5	220738.2	+0006.5	4927	9.3	224117.6	+0010.2
4661	8.8	205949.1	+0053.3	4750	7.3	212800.4	+0020.0	4840	9.5	220756.3	+0056.9	4928	9.5	224256.6	+0025.8
4662	9.4	205950.2	+0028.6	4751	8.7	212830.7	+0001.9	4841	9.2	220758.7	+0053.4	4929	9.3	224325.1	+0036.3
4663	8.0	210026.6	+0035.5	4752	9.3	212903.0	+0055.2	4842	8.8	220813.2	+0016.1	4930	9.3	224327.9	+0006.2
4664	8.7	210031.7	+0055.9	4753	9.3	212916.5	+0050.8	4843	9.3	220859.4	+0041.3	4931	9.4	224409.3	+0003.9
4665	9.3	210047.8	+0057.0	4754	9.3	212947.2	+0016.1	4844	9.0	220937.7	+0024.6	4932	9.3	224411.5	+0041.5
4666	9.3	210048.1	+0054.6	4755	9.2	213008.0	+0058.9	4845	9.2	221023.7	+0049.1	4933	9.3	224505.1	+0049.0
4667	9.3	210108.3	+0059.9	4756	9.5	213008.7	+0048.0	4846	9.5	221024.7	+0002.0	4934	9.3	224510.5	+0054.6
4668	8.4	210109.1	+0022.4	4757	8.8	213014.2	+0036.6	4847	9.2	221041.2	+0042.6	4935	9.2	224544.2	+0036.0
4669	9.5	210115.9	+0039.4	4758	9.5	213026.0	+0011.6	4848	8.8	221044.3	+0054.8	4936	9.2	224545.1	+0028.0
4670	9.5	210139.1	+0041.1	4759	9.3	213150.3	+0053.9	4849	9.2	221049.0	+0039.0	4937	9.5	224557.5	+0020.5
4671	9.5	210208.0	+0053.5	4760	8.8	213243.4	+0031.0	4850	8.5	221106.1	+0008.5	4938	9.3	224706.4	+0003.0
4672	8.7	210209.3	+0059.4	4761	9.5	213303.7	+0043.9	4851	9.3	221212.2	+0041.8	4939	6.8	224734.8	+0017.2
4673	9.5	210222.6	+0032.8	4762	9.2	213312.5	+0033.6	4852	9.3	221212.2	+0046.7	4940	9.4	224742.0	+0029.7
4674	9.0	210244.1	+0042.9	4763	9.3	213315.2	+0003.0	4853	9.2	221215.1	+0041.3	4941	9.3	224823.2	+0034.7
4675	9.5	210312.4	+0012.5	4764	9.4	213339.0	+0037.6	4854	9.5	221234.3	+0000.6	4942	9.2	224827.7	+0034.9
4676	9.0	210314.1	+0034.2	4765	8.5	213344.2	+0039.8	4855	9.2	221254.8	+0050.2	4943	9.5	224842.3	+0003.7
4677	9.3	210335.4	+0002.4	4766	9.5	213401.7	+0000.7	4856	9.3	221314.4	+0058.7	4944	9.4	224847.6	+0013.6
4678	9.2	210339.1	+0026.2	4767	9.5	213425.7	+0001.4	4857	8.5	221341.6	+0019.6	4945	9.5	224849.5	+0030.5
4679	8.4	210414.8	+0004.6	4768	9.4	213440.2	+0025.0	4858	8.9	221349.9	+0029.6	4946	8.8	224916.6	+0040.8
4680	9.5	210438.7	+0010.7	4769	9.5	213448.0	+0010.4	4859	9.3	221400.4	+0044.8	4947	8.5	224926.2	+0007.1
4681	9.0	210512.3	+0018.4	4770	5.8	213448.0	+0038.0	4860	9.4	221409.0	+0032.1	4948	9.0	224929.6	+0050.2
4682	9.5	210534.3	+0058.6	4771	9.3	213457.8	+0001.2	4861	9.1	221437.3	+0003.3	4949	9.5	225047.3	+0037.8
4683	9.5	210601.3	+0051.1	4772	9.5	213550.0	+0047.3	4862	9.0	221439.3	+0001.3	4950	6.0	225202.7	+0011.7
4684	9.3	210628.1	+0006.7	4773	9.5	213700.7	+0014.4	4863	9.3	221445.8	+0049.5	4951	9.5	225252.3	+0028.4
4685	9.5	210636.3	+0005.3	4774	9.5	213731.1	+0055.4	4864	9.3	221446.3	+0054.7	4952	9.3	225320.5	+0059.0
4686	9.0	210700.6	+0046.0	4775	9.0	213805.7	+0001.3	4865	8.9	221519.6	+0005.3	4953	9.5	225322.0	+0002.8
4687	9.5	210714.8	+0033.1	4776	8.8	213819.4	+0059.4	4866	9.3	221545.1	+0026.2	4954	9.0	225324.3	+0028.9
4688	9.5	210716.1	+0033.1	4777	9.5	213826.6	+0004.6	4867	9.3	221550.1	+0033.4	4955	8.5	225352.2	+0018.5
4689	9.2	210718.3	+0054.8	4778	9.0	213843.2	+0035.2	4868	8.8	221613.5	+0014.0	4956	9.0	225427.9	+0036.1
4690	9.5	210727.6	+0012.3	4779	7.7	213929.7	+0011.6	4869	9.3	221632.3	+0041.5	4957	8.8	225453.5	+0029.3
4691	9.0	210754.3	+0029.3	4780	9.5	214051.0	+0014.0	4870	9.3	221700.4	+0027.4	4958	9.3	225454.0	+0041.9
4692	9.8	210811.6	+0051.1	4781	9.5	214200.5	+0022.0	4871	9.3	221704.6	+0005.9	4959	9.5	225462.3	+0038.2
4693	9.5	210819.1	+0029.0	4782	9.3	214220.0	+0048.4	4871a	9.5	221728.3	+0030.9	4960	9.5	225631.8	+0009.4
4694	9.3	210901.9	+0054.3	4783	9.5	214241.5	+0017.4	4872	4.5	221753.1	+0038.3	4961	8.2	225708.5	+0049.7
4695	9.5	210927.1	+0054.1	4784	8.2	214308.8	+0004.4	4873	9.3	221907.0	+0037.1	4962	9.3	225711.9	+0015.3
4696	9.0	210928.6	+0034.2	4785	8.7	214335.8	+0005.5	4874	9.5	221944.7	+0030.2	4963	7.2	225753.1	+0031.9
4697	8.3	210935.1	+0035.5	4786	9.5	214345.7	+0051.7	4875	9.2	222008.8	+0027.2	4964	8.5	225800.2	+0059.4
4698	9.0	210959.6	+0058.5	4787	7.8	214409.8	+0005.1	4876	8.6	222025.3	+0054.3	4965	9.1	225801.5	+0021.5
4699	9.5	211018.0	+0018.8	4788	8.8	214412.2	+0010.4	4877	9.2	222052.0	+0014.6	4966	9.2	225812.4	+0043.5
4700	9.0	211035.4	+0036.3	4789	9.5	214416.0	+0003.7	4878	9.2	222129.4	+0035.3	4967	9.5	225903.7	+0038.0
4701	8.5	211053.6	+0036.3	4790	8.5	214448.2	+0044.9	4879	9.3	222136.3	+0032.5	4968	9.5	230101.7	+0026.4
4702	9.5	211120.8	+0041.4	4791	9.5	214543.2	+0026.8	4880	9.3	222137.3	+0033.6	4969	9.5	230121.4	+0004.4
4703	9.5	211130.0	+0021.5	4792	9.3	214546.5	+0024.2	4881	9.3	222214.1	+0032.8	4970	9.3	230212.6	+0046.2
4704	9.3	211132.9	+0004.6	4793	9.5	214603.2	+0016.2	4882	9.5	222226.8	+0054.2	4971	9.5	230255.6	+0016.0
4705	9.2	211240.8	+0014.7	4794	9.5	214646.0	+0006.4	4883	9.5	222246.8	+0002.9	4972	9.5	230256.2	+0023.2
4706	9.5	211249.0	+0022.2	4795	9.2	214655.0	+0007.4	4884	9.0	222256.0	+0025.0	4973	9.5	230338.1	+0031.6
4707	9.5	211303.6	+0015.8	4796	9.0	214717.2	+0034.1	4885	9.0	222256.5	+0003.5	4974	9.5	230348.6	+0050.8
4708	8.8	211309.1	+0039.0	4797	9.5	214722.0	+0047.9	4886	8.8	222322.0	+0059.0	4975	9.5	230416.9	+0049.5
4709	9.5	211310.7	+0035.0	4798	9.0	214820.0	+0031.0	4887	9.5	222408.0	+0017.8	4976	9.1	230530.0	+0016.0
4710	9.5	211313.0	+0057.0	4799	9.5	214915.5	+0025.8	4888	9.5	222419.5	+0026.3	4977	9.1	230540.4	+0053.2
4711	8.3	211338.2	+0004.6	4800	9.5	214946.5	+0021.7	4889	9.5	222452.3	+0016.2	4978	8.2	230602.9	+0009.1
4712	9.5	211342.1	+0029.7	4801	9.3	215121.2	+0003.3	4890	8.1	222509.2	+0050.2	4979	9.1	230610.6	+0004.0
4713	9.5	211416.9	+0058.2	4802	9.5	215145.7	+0034.8	4891	8.8	222514.7	+0045.2	4980	9.3	230655.2	+0026.3
4714	7.3	211428.3	+0045.6	4803	9.5	215209.4	+0053.7	4892	8.2	222517.2	+0021.8	4981	9.4	230810.8	+0057.8
4715	9.5	211523.5	+0026.5	4804	9.5	215222.0	+0005.0	4893	9.5	222537.6	+0009.5	4982	7.7	230813.6	+0031.4
4716	9.3	211540.0	+0013.0	4805	9.2	215237.7	+0037.7	4894	8.7	222615.8	+0026.9	4983	9.5	230929.0	+0043.7
4717	9.5	211604.0	+0013.5	4806	8.5	215236.0	+0013.7	4895	9.3	222728.8	+0053.2	4984	8.8	230941.0	+0026.7
4718	9.2	211621.5	+0006.5	4807	8.8	215305.2	+0031.3	4896	9.5	222805.9	+0051.6	4985	9.4	231040.5	+0005.2
4718a	9.5	211621.7	+0034.3	4808	9.5	215306.2	+0037.0	4897	9.3	222823.5	+0034.0	4986	9.4	231128.6	+0027.5
4719	9.4	211630.6	+0043.0	4809	9.2	215311.6	+0056.1	4898	9.0	222851.8	+0019.7	4987	9.5	231134.0	+0034.0
4720	8.5	211650.1	+0001.2	4810	9.1	215450.5	+0042.8	4899	9.5	222858.9	+0054.3	4988	9.4	231157.8	+0055.1
4721	9.5	211727.1	+0029.7	4811	9.3	215510.5	+0045.8	4900	9.3	223022.0	+0047.9	4989	9.5	231307.4	+0032.8
4722	8.8	211759.3	+0042.9	4812	9.3	215600.7	+0039.0	4900a	9.5	223055.6	+0020.4	4990	9.5	231331.4	+0004.1
4723	9.5	211822.0	+0014.5	4813	9.5	215621.0	+0016.7	4901	8.8	223110.3	+0023.0	4991	9.5	231501.4	+0048.5
4724	9.5	211824.7	+0005.0	4814	9.5	215710.7	+0009.5	4902	9.3	223112.1	+0027.4	4992	9.4	231508.0	+0057.2
4725	9.5	211853.7	+0037.0	4815	9.5	215714.2	+0025.8								

+00 5011 23h24m

-00 283 1h43m

5011	9.2	232415.5	+0055.7	14	9.5	00443.8	-0033.1	104	9.0	03503.1	-0053.1	194	9.4	10854.2	-0018.0
5012	9.0	232420.4	+0025.6	15	9.4	00444.4	-0031.9	105	8.5	03517.9	-0003.1	195	9.5	10854.9	-0025.5
5013	9.5	232504.5	+0000.2	16	9.5	00549.5	-0053.4	106	9.2	03533.3	-0057.4	196	8.5	10941.0	-0028.0
5014	9.5	232614.6	+0012.4	17	9.5	00603.0	-0056.3	107	9.3	03656.3	-0051.7	197	9.5	10944.2	-0018.6
5015	9.0	232707.5	+0025.1	18	9.3	00609.5	-0020.0	108	8.8	03659.9	-0016.0	198	9.4	11003.3	-0002.1
5016	9.5	232725.0	+0007.8	19	9.5	00617.0	-0017.7	109	6.8	03744.0	-0031.7	199	9.0	11040.3	-0007.7
5017	9.3	232733.4	+0047.8	20	9.5	00631.3	-0034.6	110	7.8	03828.2	-0013.2	200	9.5	11044.6	-0021.2
5018	7.2	232804.5	+0031.2	21	8.3	00638.5	-0050.5	111	8.8	03836.2	-0018.8	201	8.3	11216.1	-0039.6
5019	9.1	232805.8	+0010.1	22	9.5	00716.6	-0024.0	112	9.3	03850.9	-0051.3	202	9.3	11257.3	-0023.5
5020	9.5	232842.3	+0027.3	23	9.4	00723.8	-0033.9	113	7.8	03927.9	-0025.0	203	9.3	11309.2	-0055.9
5021	9.3	232936.5	+0036.5	24	9.5	00731.2	-0010.6	114	9.4	03956.4	-0056.4	204	9.2	11341.7	-0056.9
5022	9.5	232938.9	+0053.1	25	9.4	00756.0	-0033.0	115	7.8	04107.0	-0024.4	205	9.5	11346.9	-0011.3
5023	9.5	233004.8	+0049.3	26	9.2	00819.4	-0041.1	116	9.3	04151.5	-0031.3	206	9.5	11357.7	-0043.9
5024	9.2	233114.9	+0046.6	27	9.3	00848.5	-0025.2	117	8.6	04209.5	-0013.2	207	9.0	11402.2	-0054.6
5025	9.5	233119.6	+0027.3	28	8.7	00852.9	-0045.0	118	9.5	04214.6	-0028.8	208	9.0	11455.5	-0007.6
5026	9.5	233121.4	+0012.5	29	9.5	00912.3	-0025.2	119	9.3	04218.5	-0045.6	209	9.5	11514.2	-0035.0
5027	9.1	233145.6	+0010.0	30	9.4	00923.1	-0001.8	120	9.0	04220.6	-0030.0	210	8.0	11525.2	-0002.3
5028	9.2	233211.7	+0042.2	31	9.3	00936.7	-0048.1	121	9.3	04258.7	-0028.7	211	9.5	11544.1	-0018.8
5029	9.0	233235.5	+0043.7	32	8.7	00953.8	-0013.0	122	8.4	04307.5	-0017.6	212	8.5	11548.1	-0010.4
5030	9.5	233242.9	+0050.3	33	7.7	01003.4	-0029.6	123	8.5	04315.5	-0051.9	213	9.1	11606.6	-0008.4
5031	9.5	233251.6	+0002.2	34	9.5	01022.0	-0001.1	124	9.4	04317.7	-0059.2	214	9.5	11615.2	-0044.9
5032	9.5	233315.6	+0024.7	35	8.6	01024.9	-0026.2	125	9.5	04355.2	-0030.0	215	9.5	11625.2	-0055.3
5033	9.4	233329.2	+0050.3	36	9.3	01035.6	-0020.6	126	9.5	04400.8	-0031.7	216	9.2	11632.7	-0030.1
5034	9.4	233402.4	+0021.7	37	7.0	01038.0	-0010.0	127	9.5	04444.8	-0015.7	217	9.0	11632.8	-0024.3
5035	9.5	233432.3	+0032.9	38	9.5	01041.0	-0005.3	128	9.4	04503.1	-0021.2	218	9.4	11705.2	-0037.2
5036	9.5	233437.6	+0008.6	39	9.5	01054.0	-0017.1	129	9.3	04517.7	-0055.7	219	9.5	11710.9	-0019.9
5037	4.6	233439.6	+0059.1	40	9.2	01126.7	-0044.1	130	9.3	04534.9	-0040.3	220	9.4	11723.4	-0027.1
5038	9.1	233548.7	+0018.5	41	9.2	01144.3	-0037.9	131	9.5	04543.7	-0037.2	221	8.5	11738.0	-0029.5
5039	8.9	233549.7	+0006.2	42	7.5	01151.1	-0017.5	132	9.4	04610.5	-0049.8	222	9.5	11748.3	-0053.8
5040	9.5	233648.5	+0026.0	43	9.5	01202.7	-0054.0	133	9.5	04627.5	-0045.5	223	9.5	11830.9	-0006.2
5041	9.5	233708.0	+0004.2	44	9.5	01256.2	-0007.4	134	9.5	04629.2	-0027.4	224	9.1	11846.2	-0006.7
5042	8.6	233822.6	+0051.7	45	9.2	01302.3	-0017.4	135	9.5	04637.6	-0007.7	225	8.6	11856.7	-0058.4
5043	9.3	233825.9	+0012.0	46	9.2	01302.4	-0041.6	136	9.5	04637.6	-0016.2	226	9.4	11901.2	-0016.0
5044	9.5	233829.2	+0054.4	47	9.5	01315.6	-0007.8	137	9.5	04655.1	-0054.3	227	9.2	11910.1	-0043.6
5045	9.5	233845.0	+0020.8	48	9.5	01340.6	-0037.7	138	9.5	04743.1	-0046.2	228	8.9	11931.4	-0046.8
5046	9.5	233905.8	+0016.5	49	9.5	01410.8	-0019.6	139	7.6	04807.7	-0045.9	229	7.8	11933.1	-0053.7
5047	9.5	233938.0	+0055.6	50	9.5	01412.8	-0008.1	140	9.5	04814.2	-0054.6	230	9.5	11957.9	-0015.7
5048	9.2	233950.1	+0020.6	51	8.3	01426.3	-0048.6	141	8.9	04855.7	-0023.6	231	8.2	11958.5	-0041.7
5049	9.2	234003.1	+0022.1	52	8.8	01527.5	-0038.1	142	9.5	04900.1	-0047.0	232	9.5	12006.3	-0005.4
5050	9.3	234009.7	+0003.0	53	9.5	01542.0	-0019.7	143	9.4	04924.5	-0058.0	233	9.4	12009.2	-0010.4
5051	9.5	234016.2	+0057.4	54	9.3	01549.3	-0038.9	144	9.5	04929.8	-0042.1	234	9.4	12024.6	-0008.0
5052	8.9	234115.8	+0011.8	55	8.5	01556.7	-0021.6	145	8.1	04934.2	-0020.0	235	9.3	12038.1	-0018.4
5053	9.3	234140.5	+0000.9	56	8.3	01624.0	-0041.2	146	7.5	04947.7	-0027.0	236	9.2	12109.4	-0035.9
5054	6.5	234202.4	+0015.9	57	9.5	01638.3	-0024.5	147	9.5	05040.2	-0007.3	237	9.0	12119.9	-0002.8
5055	9.5	234233.2	+0038.7	58	9.5	01712.2	-0034.6	148	9.4	05042.1	-0041.7	238	9.4	12221.9	-0028.8
5056	9.3	234301.5	+0049.3	59	8.5	01714.6	-0035.7	149	8.4	05141.5	-0055.7	239	9.5	12223.6	-0010.3
5057	9.1	234307.7	+0054.5	60	9.5	01725.2	-0033.2	150	9.0	05142.1	-0014.1	240	7.7	12227.5	-0022.8
5058	9.5	234327.1	+0012.6	61	9.5	01833.7	-0027.6	151	9.4	05204.7	-0059.3	241	9.5	12244.7	-0030.4
5059	9.1	234339.6	+0046.2	62	8.3	01839.1	-0022.2	152	8.5	05210.6	-0006.6	242	9.4	12246.4	-0036.4
5060	9.5	234353.6	+0016.1	63	6.2	01912.2	-0051.7	153	9.3	05231.4	-0006.3	243	9.5	12330.9	-0009.5
5061	9.5	234356.6	+0004.4	64	9.3	02040.0	-0050.1	154	8.9	05237.3	-0024.4	244	9.4	12400.3	-0059.1
5062	9.5	234400.6	+0045.2	65	9.4	02115.4	-0009.0	155	9.5	05334.9	-0046.1	245	9.0	12440.6	-0008.5
5063	9.2	234440.1	+0041.7	66	9.3	02118.9	-0002.3	156	8.9	05428.6	-0021.9	246	9.3	12527.1	-0013.4
5064	8.3	234451.8	+0041.6	67	9.5	02121.5	-0004.9	157	9.5	05435.8	-0007.3	247	8.3	12533.8	-0038.6
5065	9.2	234506.1	+0015.8	68	9.5	02143.3	-0053.7	158	9.4	05454.6	-0034.0	248	8.5	12553.5	-0027.0
5066	8.6	234607.0	+0053.2	69	8.3	02144.5	-0045.9	159	9.3	05529.0	-0028.0	249	9.0	12554.8	-0051.3
5067	9.5	234716.6	+0011.8	70	9.5	02156.2	-0042.6	160	9.4	05533.6	-0030.2	250	9.0	12607.5	-0017.2
5068	9.2	234828.0	+0018.8	71	9.5	02201.5	-0049.9	161	9.5	05635.0	-0014.9	251	9.0	12652.7	-0055.1
5069	9.0	234840.2	+0045.1	72	9.5	02212.9	-0055.1	162	9.2	05644.0	-0045.9	252	9.3	12656.7	-0011.7
5070	9.3	234854.0	+0002.3	73	9.5	02243.0	-0006.1	163	8.2	05651.5	-0009.8	253	8.0	12710.7	-0030.6
5071	8.7	234907.0	+0026.4	74	9.5	02258.5	-0012.3	164	9.5	05702.2	-0029.0	254	8.3	12738.3	-0044.0
5072	9.5	235042.0	+0010.7	75	9.5	02326.2	-0009.3	165	9.5	05711.9	-0032.2	255	9.0	12825.3	-0037.4
5073	9.5	235046.6	+0007.9	76	9.0	02328.3	-0057.9	166	9.2	05718.5	-0017.7	256	9.5	12848.3	-0012.0
5074	9.5	235054.3	+0046.3	77	9.5	02412.2	-0011.2	167	9.5	05722.4	-0025.1	257	7.8	13159.5	-0008.3
5075	9.5	235113.7	+0057.0	78	8.8	02424.9	-0058.6	168	9.0	05810.7	-0056.8	258	7.2	13242.9	-0058.2
5076	9.5	235204.6	+0004.2	79	9.5	02504.5	-0004.5	169	8.4	05825.0	-0026.2	259	8.9	13258.7	-0047.5
5077	9.0	235233.9	+0016.6	80	9.5	02510.7	-0024.2	170	9.1	05832.2	-0010.5	260	8.9	13325.8	-0019.7
5078	9.1	235240.0	+0031.4	81	9.5	02516.5	-0043.5	171	9.5	05856.9	-0013.1	261	9.5	13404.0	-0002.1
5079	9.1	235245.9	+0057.9	82	9.5	02533.3	-0023.9	172	9.4	05944.8	-0027.0	262	8.8	13424.3	-0053.7
5080	8.8	235308.1	+0015.0	83	9.3	02616.0	-0002.1	173	9.2	10017.8	-0001.1	263	9.2	13613.8	-0000.5
5081	9.5	235422.8	+0046.8	84	9.5	02624.5	-0016.1	174	9.5	10033.9	-0005.7	264	8.3	13635.3	-0055.0
5082	9.0	235614.0	+0046.8	85	9.2	02626.2	-0059.8	175	9.5	10103.2	-0003.5	265	8.5	13711.1	-0023.5
5083	9.5	235653.0	+0004.1	86	9.5	02638.3	-0017.6	176	9.2	10133.4	-0010.7	266	9.5	13739.7	-0004.9
5084	8.3	235720.3	+0045.6	87	9.5	02721.2	-0041.5	177	9.5	10239.5	-0017.4	267	9.3	13802.2	-0000.5
5085	8.8	235736.6	+0013.7	88	9.5	02749.1	-0008.3	178	9.4	10303.5	-0024.3	268	9.0	13829.3	-0029.1
5086	9.5	235945.0	+0013.4	89	9.2	02914.2	-0005.5	179	9.4	10307.6	-0047.0	269	9.0	13830.9	-0016.1
5087	8.9	235954.													

284	9.5	14408.5	-0031.9	372	9.1	22222.4	-0033.2	462	9.5	25010.3	-0013.5	552	8.3	32129.6	-0054.9
285	9.5	14434.0	-0001.5	373	8.8	22242.4	-0032.7	463	9.4	25011.4	-0013.3	553	8.9	32147.2	-0004.8
286	9.4	14458.0	-0010.6	374	8.3	22249.0	-0044.1	464	8.7	25025.7	-0010.1	554	9.5	32210.2	-0014.4
287	9.5	14500.7	-0010.8	375	8.8	22252.5	-0020.0	465	8.8	25102.8	-0008.8	555	9.0	32249.5	-0059.3
288	9.0	14555.1	-0020.0	376	9.5	22255.9	-0033.4	466	9.3	25122.3	-0010.8	556	9.5	32253.4	-0031.7
289	9.5	14613.7	-0054.1	377	9.5	22304.0	-0034.5	467	9.3	25153.1	-0024.8	557	9.5	32325.4	-0042.7
290	9.0	14638.1	-0031.5	378	6.5	22320.8	-0022.8	468	9.3	25203.3	-0040.1	558	9.5	32335.7	-0056.4
291	9.3	14703.9	-0013.0	379	9.5	22424.5	-0004.4	469	9.3	25227.4	-0005.6	559	9.2	32337.8	-0037.5
292	8.8	14732.1	-0030.0	380	9.5	22451.9	-0000.5	470	9.4	25237.0	-0013.5	560	7.0	32340.8	-0058.4
293	9.0	14735.5	-0002.5	381	8.8	22456.5	-0057.0	471	8.6	25242.3	-0020.3	561	8.5	32443.5	-0011.9
294	8.7	14751.2	-0007.2	382	8.5	22552.0	-0029.4	472	8.6	25253.8	-0053.5	562	8.1	32525.5	-0059.3
295	9.3	14801.6	-0049.5	383	9.2	22609.4	-0004.4	473	9.0	25255.1	-0006.1	563	8.4	32602.8	-0022.7
296	9.5	14844.2	-0046.5	384	9.0	22634.8	-0040.6	474	9.4	25256.0	-0020.3	564	9.5	32614.0	-0039.0
297	9.2	14846.0	-0056.0	385	8.5	22656.5	-0017.2	475	9.5	25301.0	-0011.8	565	8.6	32616.3	-0052.7
298	8.7	14930.5	-0057.3	386	9.2	22716.7	-0001.6	476	9.3	25306.0	-0015.0	566	9.0	32649.6	-0020.4
299	9.3	15029.2	-0058.9	387	8.5	22729.4	-0059.2	477	9.3	25308.1	-0013.0	567	9.5	32706.0	-0046.3
300	9.5	15109.7	-0000.6	388	9.4	22737.4	-0058.5	478	9.3	25310.4	-0011.6	568	9.5	32722.3	-0026.4
301	8.3	15143.4	-0011.0	389	9.0	22742.0	-0056.9	479	9.5	25312.5	-0022.4	569	9.3	32817.6	-0054.9
302	8.5	15201.9	-0057.4	390	9.2	22744.0	-0027.3	480	8.6	25318.1	-0042.2	570	9.5	32842.4	-0026.0
303	9.3	15204.9	-0028.4	391	9.4	22752.8	-0050.1	481	9.5	25338.6	-0027.0	571	8.9	32916.0	-0047.1
304	8.5	15317.9	-0020.2	392	9.3	22800.7	-0031.2	482	8.8	25415.8	-0018.6	572	4.2	32930.1	-0003.7
305	8.3	15402.9	-0014.2	393	9.5	22809.5	-0023.5	483	8.9	25433.4	-0005.0	573	9.5	32939.8	-0026.2
306	9.3	15436.9	-0058.1	394	8.4	22824.3	-0059.1	484	9.5	25436.7	-0046.5	574	9.0	32943.5	-0050.1
307	6.0	15546.9	-0034.3	395	8.8	22832.2	-0028.3	485	9.0	25440.6	-0029.0	575	9.2	33011.0	-0010.1
308	9.0	15603.9	-0022.9	396	9.5	22918.6	-0024.2	486	9.0	25511.9	-0008.8	576	9.3	33013.5	-0047.1
309	8.5	15615.4	-0043.4	397	9.2	22923.2	-0009.7	487	9.5	25613.6	-0036.2	577	8.0	33024.8	-0020.6
310	9.0	15634.9	-0034.4	398	9.2	22934.8	-0010.6	488	9.4	25627.4	-0054.5	578	9.3	33107.9	-0054.8
311	9.5	15638.9	-0025.8	399	9.4	22936.0	-0049.9	489	9.3	25718.5	-0031.0	579	8.3	33120.3	-0059.4
312	9.3	15714.9	-0042.0	400	9.5	22938.9	-0002.1	490	9.5	25722.0	-0035.3	580	9.5	33142.3	-0047.1
313	9.3	15724.9	-0057.6	401	8.9	22951.8	-0050.0	491	9.0	25734.6	-0050.8	581	9.3	33238.3	-0020.5
314	8.5	15743.4	-0041.7	402	9.5	23032.0	-0041.7	492	9.5	25802.5	-0034.4	582	9.3	33306.5	-0023.8
315	8.0	15751.9	-0023.2	403	9.4	23045.8	-0052.0	493	9.5	25817.2	-0002.5	583	9.4	33329.1	-0058.3
316	9.3	15811.9	-0011.9	404	9.4	23117.0	-0021.1	494	9.5	25855.1	-0033.7	584	8.3	33359.5	-0041.6
317D	9.5	15829.0	-0009.8	405	9.5	23120.0	-0048.1	495	9.0	30018.7	-0042.4	585	7.8	33413.9	-0038.1
318	7.3	15906.9	-0040.2	406	3.7	23203.2	-0017.8	496	9.3	30042.8	-0015.1	586	9.2	33526.6	-0013.6
319	8.8	15938.4	-0021.1	407	8.2	23226.3	-0028.6	497	9.3	30226.5	-0019.7	587	8.7	33549.8	-0032.9
320	9.0	15948.6	-0053.7	408	8.6	23247.8	-0053.5	498	7.3	30310.0	-0020.0	588	9.5	33553.7	-0056.0
321	9.5	20017.0	-0043.0	409	9.0	23354.1	-0044.1	499	9.5	30316.6	-0023.7	589	9.5	33557.8	-0043.4
322	9.5	20048.5	-0001.2	410	7.3	23403.9	-0003.8	500	9.5	30421.6	-0050.7	590	8.0	33558.4	-0002.6
323	9.5	20131.5	-0026.5	411	8.1	23433.2	-0004.1	501	9.3	30427.3	-0043.4	591	9.2	33705.7	-0045.7
324	9.3	20144.0	-0013.4	412	20.0	23516.7	-0038.4	502	9.5	30433.1	-0033.2	592	9.1	33726.0	-0053.3
325	9.5	20204.8	-0020.4	413	9.3	23518.3	-0037.7	503	8.0	30438.5	-0015.9	593	6.2	33732.7	-0045.9
326	8.3	20248.0	-0011.7	414	8.5	23552.3	-0032.2	504	9.0	30442.4	-0017.0	594	7.8	33828.5	-0014.4
327	8.8	20257.5	-0045.5	415	8.4	23611.0	-0058.0	505	9.0	30445.7	-0012.6	595	9.5	33853.9	-0049.1
328	9.3	20359.3	-0000.4	416	9.3	23614.5	-0022.7	506	8.5	30446.0	-0045.7	596	9.2	33915.3	-0003.5
329	8.2	20418.5	-0027.4	417	9.2	23617.4	-0003.8	507	9.2	30511.1	-0054.2	597	9.2	33916.8	-0038.1
330	9.2	20423.0	-0034.0	418	8.6	23620.8	-0024.6	508	9.3	30518.4	-0001.5	598	8.8	33922.4	-0019.5
331	9.2	20454.2	-0008.4	419	9.4	23624.0	-0024.4	509	9.3	30519.0	-0027.1	599	9.3	33925.1	-0048.4
332	9.5	20501.5	-0022.0	420	8.5	23704.0	-0014.4	510	8.5	30529.4	-0054.7	600	8.6	34034.1	-0004.6
333	9.4	20515.2	-0004.4	421	9.5	23718.7	-0007.2	511	8.3	30555.7	-0021.4	601	8.8	34044.7	-0021.0
334	9.5	20526.0	-0035.2	422	8.4	23731.5	-0037.2	512	9.5	30622.1	-0051.5	602	6.5	34113.4	-0013.4
335	8.7	20609.0	-0041.2	423	9.5	23735.8	-0011.2	513	9.5	30627.9	-0005.9	603	9.2	34205.8	-0028.0
336	9.2	20717.8	-0036.1	424	8.4	23735.8	-0048.4	514	8.9	30640.0	-0007.8	604	9.2	34206.7	-0044.9
337	9.3	20806.1	-0000.8	425	9.5	23755.9	-0055.2	515	9.0	30659.0	-0004.4	605	8.2	34207.8	-0048.6
338	9.0	20810.5	-0016.2	426	9.5	23805.9	-0042.4	516	9.0	30702.6	-0051.7	606	9.0	34222.0	-0007.6
339	9.5	20814.6	-0000.8	427	9.5	23815.0	-0023.6	517	8.5	30845.7	-0004.8	607	9.0	34250.2	-0022.6
340	9.0	20850.0	-0047.6	428	9.4	23907.5	-0035.3	518	9.5	30846.7	-0053.8	608	8.2	34327.7	-0037.5
341	9.4	20851.0	-0019.7	429	9.3	23911.2	-0039.2	519	9.0	30858.8	-0057.6	609	8.8	34346.5	-0027.7
342	9.2	20920.9	-0037.8	430	9.5	23955.8	-0001.7	520	9.5	30938.9	-0016.1	610	8.9	34409.3	-0006.5
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-00 1358 6h28m

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1703 9.2 71649.4 -0028.4
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-00 1715 7h18m

1716	9.5	71820.8	-0013.5	1804	9.5	73727.7	-0011.5	1894	9.2	75633.2	-0038.8	1984	9.3	81649.0	-0052.3
1717	8.6	71823.5	-0025.6	1805	8.5	73733.3	-0059.3	1895	9.0	75728.4	-0036.6	1985	9.5	81650.8	-0011.6
1718	9.0	71839.5	-0005.3	1806	9.3	73736.9	-0043.5	1896	9.5	75728.4	-0006.2	1986	9.3	81700.2	-0050.2
1719	9.5	71852.4	-0002.4	1807	9.0	73748.4	-0013.4	1897	9.5	75731.7	-0001.4	1987	7.5	81709.6	-0040.3
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1721	8.0	71910.4	-0011.2	1809	8.0	73757.3	-0008.8	1899	9.5	75750.7	-0004.2	1989	9.0	81732.6	-0011.7
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1723	8.8	71921.6	-0018.3	1811	9.3	73804.9	-0012.5	1901	9.5	75802.4	-0033.2	1991	8.8	81906.6	-0056.7
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1725	8.8	71953.5	-0007.8	1813	9.2	73824.4	-0049.8	1903	6.8	75824.6	-0009.4	1993	8.0	81929.2	-0044.8
1726	8.7	72022.9	-0055.4	1814	9.1	73829.5	-0030.9	1904	8.5	75836.9	-0021.9	1994	9.5	82002.0	-0024.4
1727	9.2	72055.0	-0058.5	1815	9.5	73839.7	-0037.6	1905	9.3	75844.5	-0009.9	1995	9.5	82009.9	-0058.2
1728	9.0	72108.2	-0053.3	1816	9.3	73840.4	-0009.3	1906	9.5	75848.5	-0015.4	1996	8.7	82025.2	-0055.3
1729	8.8	72109.2	-0028.6	1817	8.8	73856.4	-0045.1	1907	9.5	75853.0	-0012.9	1997	9.2	82030.0	-0050.9
1730	9.5	72137.1	-0022.0	1818	9.3	73914.7	-0034.2	1908	9.5	75915.0	-0017.9	1998	9.5	82040.9	-0004.7
1731	9.0	72139.9	-0034.2	1819	9.3	73928.4	-0013.5	1909	9.5	75932.0	-0000.8	1999	9.5	82053.9	-0020.1
1732	8.7	72141.2	-0058.3	1820	9.5	73930.0	-0048.1	1910	9.3	75935.7	-0055.7	2000	7.2	82207.8	-0028.5
1733	9.5	72147.1	-0018.3	1821	9.2	73942.9	-0055.0	1911	9.0	75949.4	-0022.6	2001	8.8	82224.5	-0035.2
1734	8.7	72223.6	-0042.1	1822	9.3	73952.5	-0000.5	1912	9.5	80013.2	-0057.5	2002	8.9	82229.2	-0001.7
1735	9.0	72227.4	-0019.0	1823	9.3	74016.9	-0023.0	1913	8.1	80034.4	-0055.7	2003	9.5	82244.9	-0050.5
1736	9.5	72249.5	-0001.5	1824	9.3	74018.4	-0039.8	1914	8.8	80038.9	-0024.6	2004	9.5	82251.6	-0007.9
1737	9.3	72305.0	-0035.5	1825	9.3	74018.4	-0035.0	1915	9.3	80041.3	-0040.4	2005	8.8	82324.1	-0018.8
1738	9.0	72306.6	-0020.3	1826	9.5	74030.0	-0004.6	1916	9.0	80044.9	-0018.0	2006	9.1	82326.2	-0010.9
1739	9.5	72311.4	-0030.1	1827	9.5	74044.9	-0056.0	1917	8.5	80104.9	-0036.8	2007	9.3	82350.5	-0029.0
1740	8.5	72324.5	-0048.5	1828	8.5	74113.1	-0024.3	1918	9.3	80117.3	-0008.4	2008	9.1	82352.1	-0006.3
1741	9.5	72328.6	-0033.6	1829	9.5	74134.3	-0049.4	1919	8.7	80120.4	-0058.8	2009	9.4	82353.8	-0024.0
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1743	7.5	72355.9	-0049.1	1831	9.4	74143.0	-0005.3	1921	9.0	80141.3	-0023.3	2011	8.5	82500.4	-0027.2
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1745	9.4	72429.1	-0010.3	1833	9.5	74151.4	-0011.1	1923	9.0	80244.7	-0033.5	2013	9.4	82502.9	-0028.1
1746	9.0	72430.4	-0013.0	1834	9.3	74223.8	-0022.0	1924	9.5	80244.9	-0012.9	2014	9.4	82515.0	-0049.0
1747	9.1	72435.4	-0042.8	1835	9.5	74226.1	-0007.1	1925	9.5	80245.8	-0004.4	2015	8.5	82515.6	-0026.7
1748	9.5	72450.4	-0053.3	1836	9.5	74226.4	-0014.8	1926	9.0	80304.0	-0047.7	2016	9.4	82519.0	-0052.8
1749	9.0	72453.5	-0004.7	1837	9.5	74226.6	-0000.5	1927	8.5	80338.6	-0044.7	2017	8.5	82527.6	-0048.5
1750	8.3	72502.3	-0011.7	1838	9.5	74229.9	-0044.1	1928	9.0	80404.4	-0047.4	2018	9.5	82533.0	-0000.6
1751	9.5	72506.4	-0026.9	1839	9.5	74254.9	-0041.5	1929	9.5	80413.9	-0042.8	2019	9.5	82555.7	-0050.5
1752	9.3	72526.6	-0056.8	1840	9.5	74327.1	-0037.7	1930	9.5	80426.4	-0002.4	2020	9.0	82557.3	-0005.9
1753	9.5	72527.9	-0004.2	1841	9.5	74330.9	-0026.6	1931	9.0	80427.9	-0021.4	2021	8.2	82611.2	-0015.5
1754	9.5	72550.3	-0023.8	1842	9.4	74349.5	-0054.7	1932	9.5	80451.2	-0017.0	2022	9.0	82643.0	-0002.2
1755	9.0	72602.1	-0051.8	1843	9.1	74350.8	-0006.6	1933	9.1	80451.4	-0035.8	2023	9.3	82647.9	-0038.6
1756	9.3	72648.4	-0009.7	1844	9.2	74352.6	-0005.8	1934	9.5	80458.3	-0000.7	2024	7.7	82709.7	-0014.0
1757	8.9	72653.1	-0042.2	1845	9.3	74406.5	-0040.9	1935	9.5	80525.4	-0024.0	2025	9.1	82728.8	-0041.8
1758	9.5	72705.0	-0038.5	1846	9.5	74425.4	-0001.2	1936	9.5	80526.0	-0014.0	2026	9.1	82801.7	-0015.9
1759	9.3	72705.3	-0001.4	1847	9.3	74530.5	-0049.6	1937	8.5	80551.4	-0019.0	2027	9.5	82816.7	-0040.4
1760	9.5	72720.9	-0007.4	1848	9.5	74532.9	-0021.7	1938	9.5	80600.3	-0044.5	2028	9.1	82907.8	-0022.9
1760a	9.7	72745.5	-0000.3	1849	8.3	74539.3	-0042.4	1939	9.3	80621.4	-0035.0	2029	9.5	82923.5	-0056.7
1761	9.5	72750.1	-0052.5	1850	9.5	74552.9	-0012.0	1940	9.0	80622.6	-0048.9	2030	9.5	82943.1	-0023.7
1762	9.5	72752.6	-0059.8	1851	9.0	74634.1	-0030.3	1941	8.8	80629.9	-0000.5	2031	9.2	83003.8	-0011.8
1762a	9.5	72808.0	-0020.6	1852	9.3	74647.4	-0042.1	1942	8.3	80645.5	-0005.5	2032	8.8	83005.7	-0003.7
1763	9.3	72826.6	-0020.4	1853	8.7	74717.9	-0015.0	1943	9.5	80656.7	-0053.4	2033	9.0	83008.6	-0049.5
1764	9.4	72833.7	-0058.0	1854	8.7	74722.5	-0006.6	1944	9.3	80722.7	-0037.7	2034	8.5	83021.5	-0038.1
1765	9.0	72847.3	-0012.0	1855	8.7	74729.4	-0022.6	1945	9.0	80727.0	-0055.7	2035	9.5	83022.0	-0012.6
1766	8.3	72951.4	-0052.9	1856	9.3	74746.9	-0002.7	1946	8.5	80750.7	-0020.2	2036	9.5	83050.0	-0053.7
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1778	9.0	73205.8	-0049.4	1868	9.0	75047.9	-0021.6	1958	9.5	81132.1	-0052.6	2048	9.5	83516.5	-0005.7
1779	9.3	73206.1	-0012.0	1869	9.2	75058.0	-0005.0	1959	9.5	81144.9	-0028.7	2049	9.5	83517.2	-0047.3
1780	9.3	73213.3	-0056.6	1870	9.3	75107.4	-0013.0	1960	9.5	81204.1	-0017.6	2050	9.2	83522.2	-0013.5
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-00 2074 8h43m

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-00 4577 23h45m

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4579	9.2	234531.9	-0012.5	49	8.8	02143.8	-0128.3	137	9.1	05629.3	-0149.7	226	9.3	13152.3	-0130.1
4580	9.2	234609.1	-0035.5	50	9.5	02152.3	-0135.2	138	9.3	05706.7	-0142.2	227	8.5	13210.7	-0127.4
4581	7.9	234626.3	-0012.5	51	7.7	02225.7	-0107.6	139	9.3	05813.2	-0137.8	228	9.2	13220.8	-0140.7
4582	9.2	234639.9	-0034.9	52	7.8	02229.8	-0154.5	140	9.5	05818.0	-0101.1	229	8.5	13239.2	-0127.8
4583	9.0	234644.5	-0023.8	53	9.5	02251.7	-0100.9	141	8.1	05850.8	-0102.3	230	7.8	13357.3	-0114.4
4584	8.9	234713.3	-0002.2	54	9.5	02256.6	-0117.2	142	9.5	05858.5	-0123.9	231	9.0	13435.3	-0112.7
4585	6.2	234722.7	-0042.2	55	8.3	02306.4	-0109.7	143	9.5	05858.8	-0127.6	232	8.0	13501.3	-0146.4
4586	9.3	234732.5	-0047.4	56	9.3	02407.3	-0127.0	144	8.0	05901.0	-0131.7	233	9.4	13542.2	-0147.2
4587	9.3	234802.9	-0009.8	57	9.5	02449.3	-0145.9	145	9.4	05921.9	-0101.8	234	8.4	13559.5	-0117.8
4588	9.0	234809.5	-0006.2	58	8.3	02525.8	-0114.6	146	8.3	05923.1	-0143.6	235	9.4	13641.0	-0152.8
4589	9.5	234811.6	-0058.8	59	9.0	02541.0	-0140.1	147	8.5	05939.7	-0123.0	236	8.8	13720.0	-0113.7
4590	9.5	234835.3	-0050.6	60	7.5	02607.8	-0126.3	148	9.3	05955.6	-0120.2	237	8.8	13734.0	-0146.4
4591	9.2	234837.8	-0007.8	61	9.5	02609.1	-0130.5	149	9.1	10009.9	-0153.8	238	9.2	13805.3	-0107.7
4592	8.8	234901.1	-0019.4	62	8.5	02618.0	-0110.6	150	9.3	10010.5	-0155.4	239	8.7	13906.0	-0102.4
4593	9.0	234910.5	-0007.7	63	9.5	02637.0	-0136.0	151	9.3	10016.6	-0128.5	240	9.3	13907.0	-0120.9
4594	9.1	234927.9	-0039.1	64	9.4	02644.0	-0119.7	152	9.5	10045.6	-0129.9	241	9.3	13926.5	-0133.3
4595	9.3	234954.3	-0007.1	65	9.5	02733.8	-0112.1	153	9.0	10221.6	-0130.9	242	9.5	14002.0	-0101.0
4596	8.6	235038.6	-0056.2	66	9.3	02749.3	-0138.0	154	8.8	10332.4	-0146.4	243	9.5	14030.7	-0132.5
4597	9.4	235053.9	-0028.9	66a	9.7	02752.1	-0105.1	155	8.8	10420.2	-0144.7	244	8.0	14033.5	-0140.6
4598	9.5	235106.0	-0046.3	67	8.8	02804.0	-0153.4	156	8.0	10427.2	-0113.7	245	9.4	14107.7	-0121.7
4599	9.4	235235.0	-0052.1	68	5.8	02808.8	-0119.4	157	9.3	10505.7	-0101.0	246	8.8	14115.7	-0105.9
4600	9.5	235244.3	-0051.7	69	9.5	02810.8	-0112.5	158	9.3	10534.6	-0149.9	247	9.5	14133.0	-0127.4
4601	9.1	235300.0	-0035.6	70	8.5	02824.8	-0141.8	159	9.5	10621.7	-0139.5	248	9.3	14200.5	-0109.6
4602	9.5	235301.5	-0005.7	71	9.0	02859.8	-0123.2	160	9.5	10636.2	-0148.1	249	9.0	14228.0	-0156.0
4603	8.1	235313.7	-0034.5	72	9.5	02934.3	-0200.0	161	9.4	10706.3	-0136.3	250	9.3	14305.5	-0122.7
4604	9.4	235314.0	-0029.4	73	8.8	02945.8	-0139.4	162	5.8	10726.9	-0144.6	251	9.0	14327.0	-0144.4
4605	8.0	235344.6	-0052.5	74	8.8	03011.0	-0108.3	163	9.5	10757.6	-0132.5	252	8.2	14330.3	-0100.5
4606	8.8	235402.0	-0030.1	75	6.8	03041.8	-0118.7	164	9.0	10920.6	-0113.4	253	8.8	14332.7	-0123.3
4607	9.5	235410.6	-0056.4	76	8.8	03054.3	-0145.2	165	9.5	10929.6	-0142.7	254	8.8	14413.5	-0112.6
4608	9.0	235432.5	-0040.5	77	9.0	03134.3	-0158.3	166	9.5	11105.9	-0101.9	255	8.8	14516.0	-0122.0
4609	8.9	235440.1	-0023.6	78	9.5	03200.8	-0131.4	167	8.0	11113.6	-0137.1	256	9.5	14605.9	-0114.8
4610	9.3	235445.4	-0020.1	79	9.4	03206.0	-0146.6	168	9.3	11120.0	-0149.0	257	9.5	14617.8	-0115.2
4611	9.5	235503.8	-0024.6	80	9.5	03219.8	-0119.7	169	9.3	11130.4	-0109.6	258	9.1	14658.0	-0120.9
4612	9.0	235551.5	-0057.8	81	9.5	03249.3	-0109.5	170	8.8	11150.6	-0117.8	259	9.3	14704.5	-0131.5
4613	9.3	235619.9	-0011.4	82	9.3	03310.4	-0111.1	171	5.8	11208.5	-0122.4	260	8.0	14705.5	-0155.0
4614	9.3	235621.7	-0002.2	83	9.0	03326.8	-0146.0	172	9.5	11223.5	-0117.8	261	9.3	14834.0	-0118.2
4615	9.0	235648.5	-0048.8	84	9.0	03331.0	-0104.9	173	8.5	11252.0	-0157.6	262	9.3	14839.3	-0132.2
4616	8.5	235718.8	-0044.7	85	9.5	03400.5	-0114.0	174	9.2	11257.6	-0135.7	263	9.5	14842.5	-0125.6
4617	9.5	235729.8	-0016.9	86	9.0	03443.3	-0159.6	175	9.3	11242.9	-0104.7	264	9.3	14935.2	-0144.0
4618	9.5	235739.6	-0025.3	87	8.5	03513.4	-0108.8	176	9.5	11310.2	-0122.1	265	9.0	15011.2	-0147.4
4619	8.2	235843.5	-0040.7	88	8.7	03601.3	-0140.4	177	8.4	11315.4	-0127.0	266	9.1	15042.7	-0107.4
4620	9.0	235944.2	-0028.0	89	9.5	03630.0	-0148.0	178	8.4	11347.1	-0153.2	267	8.8	15145.9	-0142.7
1	8.8	00124.8	-0156.0	90	9.0	03704.3	-0129.7	179	9.4	11423.9	-0108.0	268	8.8	15221.4	-0125.2
2	9.2	00133.9	-0103.9	91	9.3	03705.5	-0150.0	179	7.2	11510.5	-0112.4	269	8.8	15225.4	-0110.0
3	9.0	00145.8	-0133.8	92	9.5	03738.9	-0156.5	180	9.5	11515.7	-0158.3	270	9.0	15233.4	-0153.8
4	9.3	00327.3	-0151.4	93	9.0	03814.0	-0110.4	181	9.3	11602.6	-0118.8	271	8.5	15246.9	-0152.4
5	9.5	00327.5	-0131.0	94	8.3	03819.8	-0159.0	182	7.8	11717.5	-0144.0	272	9.0	15256.6	-0105.1
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7	8.0	00406.3	-0154.9	96	9.5	03831.0	-0113.9	184	8.8	11747.3	-0148.7	274	9.1	15322.0	-0149.4
8	9.5	00421.0	-0153.8	97	8.8	03911.0	-0137.6	185	9.0	11748.9	-0114.2	274a	9.6	15327.9	-0155.4
9	8.3	00435.1	-0103.1	98	9.3	03943.8	-0111.8	186	9.5	11758.6	-0114.9	275	9.2	15335.9	-0103.7
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24	9.5	01051.6	-0131.8	112	9.0	04530.8	-0115.6	201	9.0	12333.9	-0141.2	290	9.5	15835.9	-0156.2
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-01 671 4h27m

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674	9.3	42810.4	-0144.6	764	9.0	45117.9	-0137.7	854	9.4	51111.3	-0125.9	944	9.5	52618.8	-0142.2
675	9.3	42838.9	-0133.5	765	9.8	45122.9	-0111.4	855	8.6	51145.6	-0115.1	945	9.5	52621.5	-0132.3
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678	9.3	42850.9	-0144.2	768	9.5	45128.6	-0108.9	858	9.3	51214.1	-0116.3	948	8.8	52640.2	-0150.5
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680	9.2	42940.9	-0113.7	770	9.5	45214.9	-0111.8	860	8.4	51217.1	-0115.8	950	7.2	52643.9	-0134.1
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682	9.0	43010.9	-0123.2	772	9.5	45250.9	-0137.8	862	8.5	51221.0	-0141.5	952	9.1	52719.0	-0150.7
683	9.0	43030.4	-0108.6	773	9.3	45220.9	-0128.5	863	9.5	51227.4	-0113.1	953	8.3	52726.2	-0102.9
684	9.0	43054.8	-0117.0	774	8.7	45338.9	-0128.8	864	9.5	51235.0	-0128.4	954	9.5	52739.3	-0159.5
685	9.5	43117.8	-0135.6	775	9.5	45357.9	-0131.2	865	9.5	51236.4	-0144.6	955	9.3	52745.0	-0130.0
686	8.8	43125.4	-0110.1	776	9.3	45403.0	-0105.3	866	9.5	51238.3	-0123.9	956	9.3	52756.5	-0159.9
687	9.5	43139.0	-0108.6	777	9.5	45410.4	-0128.8	867	9.4	51238.8	-0110.6	957	9.3	52800.2	-0107.9
688	9.5	43152.0	-0108.6	778	9.5	45444.4	-0153.5	868	9.5	51251.9	-0138.0	958	9.5	52805.1	-0108.9
689	7.7	43228.9	-0120.5	779	8.8	45453.4	-0156.0	869	9.5	51315.4	-0117.6	959	9.5	52806.5	-0126.4
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-01 2465 10h51m

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-01 2466 10h51m

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2747 9.2 125110.4 -0143.8
2748 8.7 125122.9 -0109.2
2749 8.2 125132.9 -0117.8
2750 9.5 125204.3 -0113.0
2751 9.3 125217.3 -0151.0
2752 9.5 125234.2 -0141.1
2753 8.8 125236.9 -0115.0
2754 9.1 125256.3 -0155.2
2755 8.3 125310.2 -0146.8

2756 8.8 125341.4 -0145.3
2757 9.5 125403.4 -0133.5
2758 9.5 125413.9 -0136.2
2759 9.2 125430.4 -0113.6
2760 9.5 125508.9 -0102.9
2761 9.3 125512.4 -0149.4
2762 9.5 125640.8 -0135.0
2763 9.0 125648.0 -0105.5
2764 8.8 125655.4 -0111.3
2765 9.0 125708.6 -0115.5

2766 9.5 125720.7 -0135.9
2767 9.3 125744.1 -0122.0
2768 8.5 125801.1 -0147.4
2769 9.5 125804.6 -0122.0
2770 9.2 125852.7 -0200.2
2771 9.5 125901.7 -0129.6
2772 8.7 125928.1 -0107.4
2773 9.0 125936.4 -0154.7
2774 9.5 130019.7 -0140.4
2774a 9.5 130028.6 -0103.0

2775 9.5 130041.8 -0111.6
2776 9.3 130056.1 -0115.8
2777 8.5 130103.7 -0154.8
2778 9.5 130113.7 -0123.0
2779 9.5 130124.8 -0101.9
2780 9.2 130234.1 -0125.2
2781 8.5 130330.7 -0157.4
2782 9.5 130353.4 -0137.7
2783 9.4 130452.7 -0143.9
2784 8.0 130518.4 -0130.0

2785 9.0 130528.4 -0126.5
2786 8.0 130548.7 -0147.4
2787 9.0 130625.1 -0115.4
2788 9.0 130630.1 -0139.3
2789 9.5 130633.4 -0118.2
2790 8.8 130725.1 -0115.4
2791 9.2 130750.4 -0153.6
2792 9.5 130816.1 -0101.9
2793 9.5 130823.7 -0118.9
2794 9.5 130908.1 -0123.8

2795 9.5 131034.1 -0153.2
2796 9.4 131037.5 -0136.3
2797 9.5 131051.4 -0130.4
2798 8.9 131127.7 -0145.7
2799 9.5 131251.7 -0115.4
2800 9.5 131258.4 -0121.7
2801 9.5 131330.4 -0122.0
2802 9.5 131408.1 -0112.6
2803 9.5 131431.1 -0101.4
2804 9.5 131448.4 -0126.9

2805 9.5 131451.8 -0130.0
2806 9.5 131455.1 -0151.2
2807 9.4 131459.4 -0143.6
2808 9.5 131509.4 -0149.8
2809 9.5 131516.1 -0127.9
2810 9.5 131524.1 -0130.4
2811 9.5 131624.0 -0117.4
2812 9.5 131630.1 -0134.5
2813 9.5 131638.5 -0114.4
2814 9.2 131644.1 -0113.0

2815 8.3 131647.1 -0121.3
2816 8.8 131653.7 -0133.4
2817 8.5 131746.1 -0129.3
2818 9.5 131746.4 -0147.0
2819 9.3 131749.0 -0105.4
2820 9.3 131809.2 -0101.4
2821 9.4 131846.7 -0158.8
2822 9.5 131849.6 -0125.2
2823 9.3 131945.1 -0133.1
2824 9.5 132015.1 -0139.4

-01 2824 13h20m

-01 2825 13h20m

2825	9.5	132034.4	-0107.7	2915	9.5	140324.8	-0141.9	3005	9.0	145245.1	-0138.0	3094	9.5	153859.8	-0127.5
2826	9.3	132144.1	-0117.1	2916	8.0	140330.0	-0159.3	3006	9.0	145332.6	-0144.6	3095	8.7	153908.2	-0108.5
2827	7.8	132248.0	-0108.1	2917	9.5	140356.0	-0124.1	3007	9.4	145352.5	-0149.2	3096	9.3	154006.5	-0104.1
2828	9.0	132315.4	-0131.7	2918	9.5	140409.7	-0152.6	3008	8.5	145437.6	-0128.1	3097	9.3	154017.5	-0151.9
2829	9.5	132322.9	-0138.7	2919	9.1	140410.0	-0116.1	3009	9.5	145555.8	-0102.2	3098	9.3	154027.1	-0127.2
2830	8.7	132341.7	-0131.7	2920	9.0	140513.5	-0116.9	3010	9.5	145617.1	-0105.7	3099	9.5	154044.8	-0121.0
2831	9.5	132401.4	-0116.1	2921	9.5	140535.5	-0117.9	3011	8.9	145623.3	-0134.0	3100	8.3	154059.1	-0143.6
2832	7.5	132419.4	-0134.5	2922	9.5	140629.5	-0130.4	3012	8.8	145730.5	-0158.3	3101	9.5	154117.5	-0109.1
2833	8.6	132508.6	-0151.9	2923	8.9	140634.4	-0107.0	3013	9.0	145804.3	-0151.0	3102	9.0	154134.4	-0125.2
2834	8.0	132528.4	-0140.7	2924	9.4	140645.3	-0100.3	3014	7.8	145813.8	-0124.9	3103	7.8	154141.1	-0132.1
2835	9.5	132622.4	-0129.7	2925	9.5	140654.4	-0127.9	3015	9.5	145838.7	-0141.8	3104	9.3	154225.5	-0116.2
2836	9.5	132649.7	-0105.4	2926	9.2	140731.0	-0138.0	3016	9.3	145841.6	-0117.1	3105	9.3	154228.0	-0143.2
2837	9.5	132652.4	-0119.2	2927	9.5	140743.5	-0116.8	3017	8.8	145847.7	-0117.5	3106	9.0	154259.1	-0147.7
2838	8.5	132745.1	-0150.5	2928	9.5	140750.0	-0149.1	3018	8.8	145901.6	-0146.1	3107	9.5	154301.1	-0103.8
2839	8.8	132753.4	-0144.0	2929	9.5	140809.5	-0115.8	3019	9.3	145927.9	-0106.9	3108	8.5	154443.5	-0149.5
2840	9.0	132819.4	-0158.2	2930	9.5	140842.3	-0100.7	3020	8.3	145930.3	-0143.7	3109	8.0	154504.4	-0127.6
2841	9.3	132828.4	-0148.8	2931	9.5	140854.8	-0103.8	3021	8.5	145940.3	-0143.3	3110	9.5	154513.8	-0155.7
2842	8.7	132906.4	-0146.7	2932	9.3	140902.5	-0120.7	3022	9.0	145957.1	-0144.0	3111	9.5	154530.1	-0151.9
2843	9.4	132919.2	-0108.7	2933	9.2	140912.5	-0136.5	3023	8.8	150002.9	-0159.9	3112	9.0	154539.8	-0130.0
2844	8.5	133024.8	-0121.6	2934	9.1	140943.8	-0101.1	3024	9.4	150015.4	-0152.0	3113	9.0	154559.5	-0130.4
2845	9.4	133058.0	-0101.7	2935	9.5	141058.0	-0128.3	3025	9.5	150117.9	-0135.0	3114	9.3	154724.4	-0144.5
2846	9.0	133058.1	-0150.2	2936	9.5	141116.5	-0135.6	3026	8.3	150140.7	-0201.0	3115	9.5	154729.3	-0145.3
2847	8.0	133127.1	-0147.3	2937	7.8	141157.2	-0125.2	3027	9.0	150157.1	-0119.8	3116	9.5	154738.1	-0135.2
2848	9.0	133245.1	-0138.0	2938	5.0	141204.6	-0135.4	3028	8.7	150221.6	-0151.9	3117	9.0	154804.0	-0149.6
2849	9.5	133255.1	-0120.6	2939	9.0	141244.6	-0127.6	3029	9.5	150358.8	-0129.9	3118	7.0	154824.2	-0143.9
2850	9.5	133503.4	-0117.5	2940	8.7	141336.5	-0149.9	3030	7.0	150404.9	-0142.7	3119	9.5	154943.8	-0150.1
2851	8.2	133527.7	-0145.3	2941	9.5	141352.1	-0145.9	3031	9.3	150442.6	-0100.1	3120	9.2	155014.5	-0124.3
2852	9.5	133554.1	-0116.1	2942	8.5	141405.6	-0143.2	3032	9.3	150453.7	-0111.6	3121	9.5	155044.2	-0109.9
2853	9.5	133731.0	-0126.1	2943	6.7	141430.6	-0119.2	3033	8.7	150601.2	-0105.6	3122	9.3	155118.8	-0128.6
2854	9.3	133816.3	-0114.3	2944	9.2	141553.5	-0123.2	3034	9.2	150605.0	-0107.9	3123	9.5	155154.5	-0105.4
2855	9.3	133853.8	-0122.3	2945	9.2	141553.8	-0116.1	3035	8.8	150627.6	-0151.8	3124	9.2	155210.5	-0123.0
2856	9.3	133858.7	-0120.5	2946	9.5	141556.3	-0115.6	3036	8.5	150631.1	-0120.8	3125	9.5	155245.5	-0122.7
2857	9.5	133901.7	-0104.2	2947	9.0	141609.7	-0145.6	3037	9.3	150631.7	-0153.6	3126	9.3	155343.2	-0108.7
2858	7.8	133951.8	-0143.5	2948	9.5	141620.6	-0103.0	3038	9.2	150645.3	-0104.6	3127	9.0	155356.2	-0110.2
2859	9.5	134025.4	-0129.6	2949	9.3	141701.6	-0120.4	3039	9.3	150645.9	-0124.9	3128	9.5	155441.5	-0104.7
2860	8.7	134149.7	-0112.3	2950	9.3	141703.9	-0113.5	3040	9.5	150711.9	-0100.1	3129	8.0	155528.0	-0114.4
2861	9.5	134303.4	-0143.5	2951	7.5	141707.2	-0140.5	3041	8.0	150726.9	-0151.6	3130	9.5	155720.5	-0142.2
2862	9.5	134314.8	-0137.3	2952	9.5	141836.6	-0200.3	3042	8.8	150828.2	-0149.2	3131	8.5	155945.5	-0113.3
2863	9.3	134335.8	-0130.3	2953	9.5	141841.8	-0109.2	3043	8.8	150846.5	-0111.7	3132	9.5	156002.1	-0121.0
2864	9.5	134337.1	-0157.4	2954	9.5	141910.4	-0138.4	3044	9.2	151049.0	-0104.3	3133	9.5	160104.8	-0108.5
2865	9.5	134344.9	-0100.3	2955	8.4	141952.0	-0105.1	3045	7.3	151127.2	-0103.9	3134	9.2	160146.0	-0116.7
2866	9.5	134416.7	-0110.2	2956	8.3	142031.5	-0107.1	3046	8.3	151143.3	-0137.7	3135	9.1	160159.8	-0115.9
2867	9.5	134441.4	-0115.4	2957	5.0	142044.6	-0134.6	3047	6.5	151318.8	-0152.1	3136	9.2	160207.4	-0153.9
2868	9.1	134446.4	-0100.9	2958	9.2	142128.1	-0155.0	3048	9.2	151332.7	-0125.9	3137	7.8	160228.7	-0113.5
2869	9.0	134456.4	-0138.0	2959	9.0	142148.1	-0104.2	3049	9.3	151341.0	-0137.8	3138	9.2	160237.2	-0147.8
2870	9.4	134506.9	-0124.8	2960	9.5	142158.2	-0130.0	3050	8.8	151414.8	-0129.0	3139	9.5	160246.0	-0126.4
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2872	9.5	134559.9	-0124.8	2962	8.8	142251.5	-0120.4	3052	9.3	151547.1	-0109.2	3141	9.2	160329.2	-0134.7
2873	9.5	134616.8	-0144.3	2963	8.2	142435.4	-0108.5	3053	9.2	151658.1	-0140.4	3142	9.5	160339.7	-0111.1
2874	8.5	134639.4	-0115.4	2964	9.5	142458.8	-0142.1	3054	8.8	151725.3	-0144.2	3143	9.5	160502.0	-0101.1
2875	8.8	134724.2	-0140.1	2965	8.8	142616.8	-0200.3	3055	9.5	151820.8	-0132.5	3144	7.2	160515.9	-0120.8
2876	9.5	134752.2	-0124.8	2966	9.3	142709.4	-0119.8	3056	9.5	151924.8	-0146.7	3145	9.5	160527.2	-0126.7
2877	9.5	134809.5	-0107.5	2967	9.0	142711.3	-0151.0	3057	8.3	151948.1	-0119.5	3146	9.3	160544.2	-0151.0
2878	9.5	134817.2	-0148.4	2968	9.5	142811.3	-0125.6	3058	9.5	152004.1	-0111.2	3147	8.0	160545.5	-0132.2
2879	9.5	134838.3	-0107.0	2969	9.5	142818.7	-0140.8	3059	8.7	152058.8	-0130.7	3148	9.5	160606.5	-0138.2
2880	9.5	134926.6	-0153.3	2970	9.5	143113.6	-0156.7	3060	9.5	152145.0	-0150.3	3149	6.8	160610.4	-0106.6
2881	9.5	135011.2	-0134.8	2971	9.5	143118.7	-0140.8	3061	9.5	152155.5	-0115.7	3150	9.3	160617.3	-0124.9
2882	8.7	135025.5	-0136.6	2972	8.0	143332.2	-0147.8	3062	9.3	152317.1	-0107.4	3151	9.5	160618.5	-0137.2
2883	9.5	135040.5	-0134.5	2973	7.7	143401.0	-0124.2	3063	8.3	152418.8	-0133.5	3152	9.0	160629.0	-0133.5
2884	9.5	135109.3	-0133.2	2974	8.8	143438.6	-0144.9	3064	8.0	152420.7	-0200.9	3153	8.5	160632.2	-0157.7
2885	9.5	135158.9	-0128.3	2975	9.5	143443.3	-0124.9	3065	9.1	152426.8	-0151.5	3154	9.0	160655.0	-0146.1
2886	9.5	135200.5	-0133.5	2976	9.3	143450.1	-0102.6	3066	8.5	152453.8	-0116.8	3155	8.5	160707.7	-0133.3
2887	9.5	135216.5	-0145.3	2977	9.2	143459.9	-0101.7	3067	9.5	152517.3	-0100.8	3156	9.5	160726.7	-0125.4
2888	8.3	135313.5	-0122.8	2978	9.4	143512.4	-0103.6	3068	9.5	152603.5	-0148.4	3157	7.5	160734.2	-0124.7
2889	9.5	135317.0	-0149.5	2979	9.5	143536.6	-0144.9	3069	9.3	152622.1	-0126.2	3158	9.5	160742.2	-0146.8
2890	9.0	135319.6	-0105.1	2980	9.5	143608.4	-0130.0	3070	9.0	152811.8	-0148.7	3159	8.5	160742.7	-0157.9
2891	9.5	135332.5	-0147.4	2981	7.0	143617.0	-0153.3	3071	9.5	152837.5	-0126.9	3160	9.5	160831.2	-0116.7
2892	9.5	135341.0	-0159.6	2982	9.2	143724.6	-0139.5	3072	9.5	153009.6	-0126.6	3161	9.2	160851.8	-0116.7
2893	9.5	135503.5	-0122.5	2983	9.5	143732.8	-0136.1	3073	9.5	153022.8	-0123.0	3162	9.5	160944.2	-0125.4
2894	8.5	135504.0	-0129.1	2984	9.3	143905.7	-0114.0	3074	8.0	153110.8	-0118.2	3163	9.5	160958.4	-0135.7
2895	9.5	135513.0	-0106.4	2985	9.0	143920.6	-0104.7	3075	9.5	153146.2	-0116.5	3164	9.5	161001.7	-0119.5
2896	9.0	135515.0	-0113.8	2986	9.4	143927.1	-0107.2	3076	9.3	153157.0	-0109.1	3165	9.5	161036.9	-0112.8
2897	9.0	135523.5	-0140.8	2987	9.3	143937.2	-0128.6	3077							

-01 3184 16h17m

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3185 9.5 161807.4 -0102.2
3186 9.3 161826.8 -0133.3
3187 9.5 161830.9 -0137.8
3188 9.1 161906.8 -0129.4
3189 9.3 161918.9 -0147.9
3190 9.2 161954.6 -0103.4
3191 9.3 162001.6 -0104.3
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3193 9.4 162010.1 -0146.5

3194 9.5 162016.9 -0119.2
3195 9.0 162036.5 -0115.6
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3198 9.1 162131.6 -0101.0
3199 9.5 162205.4 -0104.0
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3216 9.4 162814.4 -0158.6
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3233 8.5 163438.9 -0153.3

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3235 9.5 163448.8 -0147.2
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3238 8.1 163501.9 -0150.2
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3241 9.4 163731.8 -0122.9
3242 8.7 163801.9 -0118.8
3243 8.8 163819.9 -0100.5

3244 8.5 163855.0 -0104.8
3245 20.0 163942.4 -0142.0
3246 9.5 164002.3 -0139.5
3247 9.5 164007.8 -0146.8
3248 9.3 164032.3 -0136.0
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 4432 9.4 231841.0 -0103.7
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 4439 9.0 232105.7 -0148.7
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13. ABSTRACT (Maximum 200 words) The <i>Bonner Durchmusterung</i> (BD, Argelander 1859-62, Küstner 1903, Becker 1951, Schmidt 1968) is a visual survey of stars in the declination zones +89° to -01°. This volume contains the data for the declination range +29° to -01°. The survey, completed by Argelander and his assistants in the years 1852-1861, was performed and the stars cataloged by allowing the telescope to drift along the mean declination of each zone and recording the positions and magnitudes of stars crossing the transit line of each field. The goal of the survey was to obtain a position and estimated visual magnitude for every star visible with the 78-mm Bonn telescope. Actual magnitude estimates were made and reported to 0.1 mag for all stars down to 9.5 mag, with fainter stars being assigned to 9.5. The positions are given to 0.1" in right ascension and 0.1' in declination for the equinox 1855. No corrections or changes have been incorporated into the original data, except those listed in the introduction (e.g., no changes have been introduced from more modern positions and magnitudes or from comparison with other catalogs.)				
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